

Python Python Programming For Beginners Learn The Basics Of Python Programming Computer Programming For Beginners

This Box Set Includes 3 Books: Python Programming For Beginners - Learn The Basics Of Python In 7 Days! Python Programming For Intermediates - Learn The Basics Of Python In 7 Days! Python Programming For Advanced - Learn The Basics Of Python In 7 Days! Python Programming For Beginners - Learn The Basics Of Python In 7 Days! Here's what you'll learn from this book: ?Introduction ?Understanding Python: A Detailed Background ?How Python Works ?Python Glossary ?How to Download and Install Python ?Python Programming 101: Interacting With Python in Different Ways ?How to Write Your First Python Program ?Variables, Strings, Lists, Tuples, Dictionaries ?About User-Defined Functions ?How to Write User-Defined Functions in Python ?About Coding Style ?Practice Projects: The Python Projects for Your Practice Python Programming For Intermediates - Learn The Basics Of Python In 7 Days! Here's what you'll learn from this book: ? Shallow copy and deep copy ? Objects and classes in Python-including python inheritance, multiple inheritances, and so on ? Recursion in Python ? Debugging and testing ? Fibonacci sequence (definition) and Memoization in Python in Python ? Arguments in Python ? Namespaces in Python and Python Modules ? Simple Python projects for Intermediates Python Programming For Advanced - Learn The Basics Of Python In 7 Days! Here's what you'll learn from this book: ?File management?Python Iterator?Python Generator?Regular Expressions ?Python Closure?Python Property?Python Assert, and?Simple recap projects Start Coding Now!

The Hitchhiker's Guide to Python takes the journeyman Pythonista to true expertise. More than any other language, Python was created with the philosophy of simplicity and parsimony. Now 25 years old, Python has become the primary or secondary language (after SQL) for many business users. With popularity comes diversity—and possibly dilution. This guide, collaboratively written by over a hundred members of the Python community, describes best practices currently used by package and application developers. Unlike other books for this audience, The Hitchhiker's Guide is light on reusable code and heavier on design philosophy, directing the reader to excellent sources that already exist. Programming Doesn't Have To Be Difficult. If You Want To Get Started With Python Programming, Read On.. How many times have you thought about learning how to code but got discouraged because you had no technical background, didn't have the time to learn, or you just didn't think you were smart enough? Would you like to learn the basics of python programming even if you are a complete novice? If so, this book can help you. Technology Entrepreneur, James Tudor, provides a concise, step-by-step guide to Python programming for beginners. A lot of examples, illustrations, end of chapter summary and practice exercises (with solutions) are provided to help the reader learn faster, remember longer and develop a thorough understanding of key concepts. In This Book, you'll discover: A concise. Simple. Newby friendly style of teaching that lends itself well to beginners Chapters that have been sliced into bite-size chunks to give you the information you need (at that point in time) so you're not overwhelmed. Lots of simple, step-by-step examples and illustrations are used to emphasis key conceptsand help improve your understanding Each practice exercise builds on concepts discussed in previous chapters so your learning is reinforced as you progress. Topics are carefully selected to give you a broad exposure to Python, while not overwhelming you with too much (potentially unnecessary) information. An end of chapter summary is presented to give you key take aways that help you solidify your understanding Some of the topics covered include: How to get started - what you need and where to get it (Chapter 1) How a computer functions and what a computer program is (Chapter 2) Simple data types that are available to you and how to manipulate them (Chapter 3) ...and much, much more! Please be aware, this book is only an extended preview of the paid version Python For Beginners: Learn Python In 5 Days With Step-by-Step Guidance And Hands-On Exercises. The intention with this free version is to give you the opportunity to see the authors teaching style and the quality of the material covered. Should you wish to upgrade to the paid version, five more in-depth chapters on conditions and loops, functions and modules etc are covered. In addition, a solution booklet (for the chapter exercises) is provided.

The easy way to learn programming fundamentals with Python Python is a remarkably powerful and dynamic programming language that's used in a wide variety of application domains. Some of its key distinguishing features include a very clear, readable syntax, strong introspection capabilities, intuitive object orientation, and natural expression of procedural code. Plus, Python features full modularity, supporting hierarchical packages, exception-based error handling, and modules easily written in C, C++, Java, R, or .NET languages, such as C#. In addition, Python supports a number of coding styles that include: functional, imperative, object-oriented, and procedural. Due to its ease of use and flexibility, Python is constantly growing in popularity—and now you can wear your programming hat with pride and join the ranks of the pros with the help of this guide. Inside, expert author John Paul Mueller gives a complete step-by-step overview of all there is to know about Python. From performing common and advanced tasks, to collecting data, to interacting with package—this book covers it all! Use Python to create and run your first application Find out how to troubleshoot and fix errors Learn to work with Anaconda and use Magic Functions Benefit from completely updated and revised information since the last edition If you've never used Python or are new to programming in general, Beginning Programming with Python For Dummies is a helpful resource that will set you up for success.

There are many more people who want to study programming other than aspiring computer scientists with a passing grade in advanced calculus. This guide appeals to your intelligence and ability to solve practical problems, while gently teaching the most recent revision of the programming language Python. You can learn solid software design skills and accomplish practical programming tasks, like extending applications and automating everyday processes, even if you have no programming experience at all. Authors Tim Hall and J–P Stacey use everyday language to decode programming jargon and teach Python 3 to the absolute beginner.

If you want to learn Python programming from scratch, this book is for you. The author gives you a full introduction to all

of the core concepts in python. If you are looking for complete beginners guide to master Python programming in just a few hours, get your copy now Why Learn Python? This is a general-purpose language, which means it can be used to build just about anything, which will be made easy with the right tools, libraries. Python is one of the over 1000 computer programming languages that are known today. Python has also grown tremendously to become one of the leading programming languages. People have liked it for its syntax and semantics which are easy for one to grasp, even those without a background in computer programming. Due to this, Python is taught to juniors in many schools worldwide. Python is also cross-platform, meaning that one can code in Python from various operating systems. Professionally, Python is great for backend web development, data analysis, artificial intelligence, and scientific computing. People, companies, and institutions have used Python to develop different applications including web applications, game applications, desktop applications, etc. The popularity of Python also continues to rise every day. Why this Book is different? This book explores every aspect of the Python programming language. This book may be the best one for an absolute beginner, it's a step by step guide for any person who wants to start learning Python programming from scratch. It will help you in preparing a solid computer programming foundation and learn any other coding language will be easy for you. Book Objectives The author wrote this book with the goal of helping the readers learn every aspect of Python programming. The book will help you: Know more about computer programming and how to get started with Python programming language. Understand the various features of Python programming language and appreciate its power. Transition from a programming beginner to an expert. Target Users The book designed for a variety of target audiences. The most suitable users would include: Newbies in computer programming and Python Programming Professionals in computer programming and software applications development Professors, lecturers or tutors who are looking to find better ways to explain the content to their students in the simplest and easiest way Students and academicians, especially those focusing on computer programming and software development! Is this book for me? If you want to learn computer programming with Python, this book is for you. Experience in computer programming is not required. If this is the first time for you to hear about computer programming, this book is the best for you. What's Inside this Book? Getting Started with Python Basic Python Syntax Python Variables Python Data Types Control Statements Python Functions Python Loops Python Classes and Objects Exception Handling Python Modules File Handling Tkinter Python Operators Accessing MySQL Databases Download your copy today! This book focuses on beginner programmers. The author will walk you through Python syntax basics that will help as a building block for your Python career. The book covers all the basics and offers a tour of the language and the standard library. It is recommended for those who need a quick-start guide to the Python language.

If you are looking for a complete beginners guide to learn Python programming with examples, in just a few hours, this book is for you. ***** Buy now (Will soon return to \$34.90 + Special Offer Below) ***** Free Kindle eBook for customers who purchase the print book from Amazon ***** Python Programming for Absolute Beginners

A step by step guide to learn Python programming fast. Why Learn Python? Python is a general-purpose language, which means it can be used to build just about anything, which will be made easy with the right tools/libraries. Python is one of the over 1000 computer programming languages that are known today. Python has also grown tremendously to become one of the leading programming languages. People have liked it for its syntax and semantics which are easy for one to grasp, even those without a background in computer programming. Due to this, Python is taught to juniors in many schools worldwide. Python is also cross-platform, meaning that one can code in Python from various operating systems. Professionally, Python is great for backend web development, data analysis, artificial intelligence, and scientific computing. People, companies and institutions have used Python to develop different applications including web applications, game applications, desktop applications etc. The popularity of Python also continues to rise every day. Why this Book is different? This book explores every aspect of Python programming language. This book may be the best one for an absolute beginner, it a step by step guide for any person who want to start learning Python programming. It will help you in preparing a solid computer programming foundation and learning any other coding language will be easy to you. Book Objectives The author wrote this book with the goal of helping the readers learn every aspect of Python programming. The book will help you: (Know more about computer programming and how to get started with Python programming language. Understand the various features of Python programming language and appreciate its power. Transition from a programming beginner to an expert. Target Users The book designed for a variety of target audiences. The most suitable users would include: Newbies in computer programming and Python Programming Professionals in computer programming and software applications development Professors, lecturers or tutors who are looking to find better ways to explain the content to their students in the simplest and easiest way Students and academicians, especially those focusing on computer programming and software development! Is this book for me? If you want to learn computer programming with Python, this book is for you. Experience in computer programming is not required. If this is the first time for you to hear about computer programming, this book is the best for you. What's Inside this Book? Getting Started with Python Basic Python Syntax Python Variables Python Data Types Control Statements Python Functions Python Loops Python Classes and Objects Exception Handling Python Modules File Handling Tkinter Python Operators Accessing MySQL Databases Tags Python, Python tutorial, Python book, learning Python, Python programming language, Python coding, Python programming for beginners, Python for Dummies, .NET, Visual Studio Expand your computer and IT skills and earn more money by learning the world's most popular programming language - Python! Become even more computer savvy and rise above the competition when applying to jobs with proficient Python programming skills. Python programming provides you with a sustainable foundation in computer programming that is easy to build upon and specialize your skills. This results in becoming a better candidate for job openings and increasing your salary! With this guide in your hands, you will: Learn the Python programming language from scratch with little to no

experience required Specialize in a computer language and make yourself more valuable to a company Open the door to new job opportunities after learning and implementing Python Study 3 complete books in one to build on your skills Become more desirable when applying for jobs, especially in the startup community Plus Much More! Right now Python is one of the most popular and useful languages programmers should know. With absolutely no experience required, you could learn the foundations of this language and easily build on your skills to increase your income and open the door to incredible job opportunities. Are you ready to make more money and learn an essential programming language from scratch? ...Then Order Your Complete Guide and Start Learning Today!

Make the Leap From Beginner to Intermediate in Python... Python Basics: A Practical Introduction to Python 3 Your Complete Python Curriculum-With Exercises, Interactive Quizzes, and Sample Projects What should you learn about Python in the beginning to get a strong foundation? With Python Basics, you'll not only cover the core concepts you really need to know, but you'll also learn them in the most efficient order with the help of practical exercises and interactive quizzes. You'll know enough to be dangerous with Python, fast! Who Should Read This Book If you're new to Python, you'll get a practical, step-by-step roadmap on developing your foundational skills. You'll be introduced to each concept and language feature in a logical order. Every step in this curriculum is explained and illustrated with short, clear code samples. Our goal with this book is to educate, not to impress or intimidate. If you're familiar with some basic programming concepts, you'll get a clear and well-tested introduction to Python. This is a practical introduction to Python that jumps right into the meat and potatoes without sacrificing substance. If you have prior experience with languages like VBA, PowerShell, R, Perl, C, C++, C#, Java, or Swift the numerous exercises within each chapter will fast-track your progress. If you're a seasoned developer, you'll get a Python 3 crash course that brings you up to speed with modern Python programming. Mix and match the chapters that interest you the most and use the interactive quizzes and review exercises to check your learning progress as you go along. If you're a self-starter completely new to coding, you'll get practical and motivating examples. You'll begin by installing Python and setting up a coding environment on your computer from scratch, and then continue from there. We'll get you coding right away so that you become competent and knowledgeable enough to solve real-world problems, fast. Develop a passion for programming by solving interesting problems with Python every day! If you're looking to break into a coding or data-science career, you'll pick up the practical foundations with this book. We won't just dump a boat load of theoretical information on you so you can "sink or swim"-instead you'll learn from hands-on, practical examples one step at a time. Each concept is broken down for you so you'll always know what you can do with it in practical terms. If you're interested in teaching others "how to Python," this will be your guidebook. If you're looking to stoke the coding flame in your coworkers, kids, or relatives-use our material to teach them. All the sequencing has been done for you so you'll always know what to cover next and how to explain it. What Python Developers Say About The Book: "Go forth and learn this amazing language using this great book." - Michael Kennedy, Talk Python "The wording is casual, easy to understand, and makes the information flow well." - Thomas Wong, Pythonista "I floundered for a long time trying to teach myself. I slogged through dozens of incomplete online tutorials. I snoozed through hours of boring screencasts. I gave up on countless cruffy books from big-time publishers. And then I found Real Python. The easy-to-follow, step-by-step instructions break the big concepts down into bite-sized chunks written in plain English. The authors never forget their audience and are consistently thorough and detailed in their explanations. I'm up and running now, but I constantly refer to the material for guidance." - Jared Nielsen, Pythonista

Python is a powerful, expressive programming language that's easy to learn and fun to use! But books about learning to program in Python can be kind of dull, gray, and boring, and that's no fun for anyone. Python for Kids brings Python to life and brings you (and your parents) into the world of programming. The ever-patient Jason R. Briggs will guide you through the basics as you experiment with unique (and often hilarious) example programs that feature ravenous monsters, secret agents, thieving ravens, and more. New terms are defined; code is colored, dissected, and explained; and quirky, full-color illustrations keep things on the lighter side. Chapters end with programming puzzles designed to stretch your brain and strengthen your understanding. By the end of the book you'll have programmed two complete games: a clone of the famous Pong and "Mr. Stick Man Races for the Exit"—a platform game with jumps, animation, and much more. As you strike out on your programming adventure, you'll learn how to: –Use fundamental data structures like lists, tuples, and maps –Organize and reuse your code with functions and modules –Use control structures like loops and conditional statements –Draw shapes and patterns with Python's turtle module –Create games, animations, and other graphical wonders with tkinter Why should serious adults have all the fun? Python for Kids is your ticket into the amazing world of computer programming. For kids ages 10+ (and their parents) The code in this book runs on almost anything: Windows, Mac, Linux, even an OLPC laptop or Raspberry Pi!

Python is an easy to learn, powerful programming language. It has efficient high-level data structures and a simple but effective approach to object-oriented programming. Python's elegant syntax and dynamic typing, together with its interpreted nature, make it an ideal language for scripting and rapid application development in many areas on most platforms. The Python interpreter and the extensive standard library are freely available in source or binary form for all major platforms from the Python Web site, <https://www.python.org/>, and may be freely distributed. The same site also contains distributions of and pointers to many free third party Python modules, programs and tools, and additional documentation. The Python interpreter is easily extended with new functions and data types implemented in C or C++ (or other languages callable from C). Python is also suitable as an extension language for customizable applications. This tutorial introduces the reader informally to the basic concepts and features of the python language and system. It helps to have a Python interpreter handy for hands-on experience, but all examples are self contained, so the tutorial can be read off-line as well. For a description of standard objects and modules, see [library-index](#). [reference-index](#) gives a more formal

definition of the language. To write extensions in C or C++, read [extending-index](#) and [c-api-index](#). There are also several books covering Python in depth. This tutorial does not attempt to be comprehensive and cover every single feature, or even every commonly used feature. Instead, it introduces many of Python's most noteworthy features, and will give you a good idea of the language's flavor and style. After reading it, you will be able to read and write Python modules and programs, and you will be ready to learn more about the various Python library modules described in [library-index](#). The [Glossary](#) is also worth going through.

Python is one of the most powerful, easy-to-read programming languages around, but it does have its limitations. This general-purpose, high-level language that can be extended and embedded is a smart option for many programming problems, but a poor solution to others. [Python For Dummies](#) is the quick-and-easy guide to getting the most out of this robust program. This hands-on book will show you everything you need to know about building programs, debugging code, and simplifying development, as well as defining what actions it can perform. You'll wrap yourself around all of its advanced features and become an expert Python user in no time. This guide gives you the tools you need to:

- Master basic elements and syntax
- Document, design, and debug programs
- Work with strings like a pro
- Direct a program with control structures
- Integrate integers, complex numbers, and modules
- Build lists, stacks, and queues
- Create an organized dictionary
- Handle functions, data, and namespace
- Construct applications with modules and packages
- Call, create, extend, and override classes
- Access the Internet to enhance your library
- Understand the new features of Python 2.5

Packed with critical idioms and great resources to maximize your productivity, [Python For Dummies](#) is the ultimate one-stop information guide. In a matter of minutes you'll be familiar with Python's building blocks, strings, dictionaries, and sets; and be on your way to writing the program that you've dreamed about!

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Immerse yourself in learning Python and introductory data analytics with this book's project-based approach. Through the structure of a ten-week coding bootcamp course, you'll learn key concepts and gain hands-on experience through weekly projects. Each chapter in this book is presented as a full week of topics, with Monday through Thursday covering specific concepts, leading up to Friday, when you are challenged to create a project using the skills learned throughout the week. Topics include Python basics and essential intermediate concepts such as list comprehension, generators and iterators, understanding algorithmic complexity, and data analysis with pandas. From beginning to end, this book builds up your abilities through exercises and challenges, culminating in your solid understanding of Python. Challenge yourself with the intensity of a coding bootcamp experience or learn at your own pace. With this hands-on learning approach, you will gain the skills you need to jumpstart a new career in programming or further your current one as a software developer.

What You Will Learn

- Understand beginning and more advanced concepts of the Python language
- Be introduced to data analysis using pandas, the Python Data Analysis library
- Walk through the process of interviewing and answering technical questions
- Create real-world applications with the Python language
- Learn how to use Anaconda, Jupyter Notebooks, and the Python Shell

Who This Book Is For

Those trying to jumpstart a new career into programming, and those already in the software development industry and would like to learn Python programming. This book is a tutorial for the Python 3 programming language designed for someone with no programming experience. Starting from no programming knowledge, the book teaches how to create programs with examples, explanations and exercises.

Do you know what Python is? Python is a powerful programming language, serving a large number of purposes. Python is a very simple programming language, with easy syntax. It is a free and open-source programming language and it is a very good programming language for beginners, especially for those who are interested to learn computer programming for the very first time. The most convenient part about the language is that it can run on a variety of platforms like Windows, Linux and macOS. The ease with which it can be used has also helped it to be easily ported to the Java and .NET virtual machines. Now, the question is, why should we learn Python? It is a very popular coding language among developers, software engineers, data scientists and even hackers. The reason is its versatility, object-oriented features and flexibility. Most of the mobile and web applications we use have the abundance of Python's libraries, different frameworks, a huge collection of modules and file extensions. Python is also helpful in building micro-projects to macro enterprise web services. Basically, when it comes to starting with an object-oriented programming language, people either start with Python or Java. Python becomes the first choice in this case, as it is more user-friendly. The coding style in Python is more intuitive and it is also less complex. That's why you need to start immediately to learn how Python works thanks to: "Python Programming for beginners, The simplified beginner's guide to learn basics of Python Computer Language, coding project, data science, data analytics and machine learning" by Matthew Python. Though Python is a very high-level language, it is capable of doing complex tasks. Python is not only easy to learn but also has a very clean syntax. Thus, it can be used by both beginners, as well as, experienced programmers. Also, there is no need to enroll in courses with high fees, to learn the language. One can do self-study, enroll in online tutorials or in coding boot camps to learn the languages. The goal of the eBook is simple: allow you to have a deep understanding of Python as a programming language. Here's what you'll learn:

- What is Python History;
- Different of Python version;
- How to download and install (different O.S.) Python;
- preparing computer for Python;
- writing first python program

Installation of Python

- How to download and install (different O.S.) Python;
- preparing computer for Python;
- Building Development environment;
- writing first python program

What are Variables and Strings

- Explain why variables are needed;
- variable naming and assignment;
- static type and dynamic type;
- python's numeric data types;
- decimal mode;
- constant;
- formatting input and output function;
- some practice exercises

Operators in Python

- Explain why operators are necessary & what are operands and operators;
- arithmetic Operators;
- modulus;
- squaring and cubing in python

Would you like to know more? Scroll up and add to cart "Python Programming for beginners" by Matthew Python!

An introduction to coding for complete beginners, this friendly and accessible book will teach children the basics of Python (a widely used programming language), allowing them to get inside the code of their computer and create simple games and animations on screen.

Python Programming for Beginners doesn't make any assumptions about your background or knowledge of Python or computer programming. You need no prior knowledge to benefit from this book. You will be guided step by step using a logical and systematic approach. As new concepts, commands, or jargon are encountered they are explained in plain language, making it easy for anyone to understand.--Publisher's description.

***** Add to Cart NOW: \$10.97 ***** Normally priced: \$17.97 ***** Are You Ready To Learn Python Easily? Learning Python Programming in 7 days is possible, although it might not look like it's easy at first, especially if you are someone with meager experience in dealing with a programming language. As you learn, you will see that it is not that difficult to understand, and it becomes easier when you add patience, diligence, and discipline. This book has all the materials that you need in learning basic Python Programming. It is presented in easy to understand format - much of technical jargons were eliminated, although you might still find some, but they are the terms that you will likely (almost always) encounter when creating your codes. You will find no such trouble in understanding the terms, and how to do it properly. Samples are provided for you, and explanations are also presented so you won't get lost and still have fun while learning. You will be glad that you have this book with you while learning Python. Discover many things that you can do with Python programming, and you might even start a new career. Here's What You'll Learn From This Python For Beginners Book: Introduction Chapter 1: Welcome to the World of the Python Chapter 2: Python Syntax Chapter 3: Important Strings and Console Output Chapter 4: The Conditionals and Control Flow Chapter 5: Understanding Lists, Tuples, and Dictionaries Chapter 6: The Loops Chapter 7: Understanding the Functions Chapter 8: Coding a Full Program Chapter 9: Reserved Words and Functions and much more What Are You Waiting For? Start Coding Python Right Now!

Have you always wanted to learn how to program? Have you always thought it was too difficult? Or did you think you didn't have enough basic skills? If so, keep reading... The PROGRAMMING LANGUAGES ACADEMY has created a targeted learning path within reach of anyone who wants to start programming without appropriate skills. In this book, you will find a real step by step path that will take you from 0 to 100 in a few days!!! Once you start reading, you will appreciate a simple, clear, and essential guide. The chapters are short and will deliver new information gradually to avoid being overwhelmed by too many notions altogether. Illustrations, examples, and step-by-step guides in each chapter allow you not to make mistakes, but above all, not to confuse. You no longer have to waste time and money trying to learn Python from expensive online courses or from incredibly long textbooks that leave you just more confused and frustrated. If you're ready to learn the basics of python programming 7 DAYS FROM TODAY, get a copy of this book today!

If you're looking for a way to become an expert coder and impress your friends with the programs you can make from scratch, then pay attention. Here's the deal. You've decided that one of the most in-demand skills is the best place to start when making money. However, learning how to code can be a very long and arduous process. But, not learning it and hiring a programmer can be very expensive. You may want to build an app or code a website, but the costs have always been too high, making it pointless and not very cost-effective. Sound familiar? If it does, then the information inside this book is your answer. You will be given all the tips, tricks, and practice codes you need to learn Python, the solid programming language used in hundreds of industries around the world. This information allows you to become skilled much faster and perfect your coding skills in no time. Imagine cutting months off your learning curve and getting a strong base of knowledge in no time at all. Imagine getting your project done yourself for a fraction of the cost. This all is possible with the help of this three-books bundle, featuring beginner, intermediate, and expert guides! This guidebook goes more in-depth about the Python language. This is detailed, scientific information compiled together by experts in an easy-to-listen-to fashion. In this Python guide, you will discover: Book one: The benefits of Python How to get up and running with Python Full instructions of how to code How to make predictions with algorithms Real-world examples of Python The three different examples of coding Book two: The importance of machine learning The basics of working with Python How to set up your Python environment Data preprocessing with machine learning Working with linear regression in machine learning Book three: The best benefits of Python and why programmers around the world choose it How to download the Python language on your computer, regardless of the operating system you prefer How to write your first program in Python What it means to work with an object-oriented programming language How to write conditional statements, loops, functions, variables, classes, exceptions, and more If you want to learn more about how to get the best Python training, and if you are ready to write your own codes and turn your ideas into reality, then simply click the "Buy Now" button on this page to get started.

The history of Python kicked off when Guido van Rossum, the founder of Python, started working on it in the late 1980s. Python is the successor of the ABC programming language. The first Python version was released back in 1991 and has only grown exponentially since then. It now has a vast community that releases the latest updates regularly. Guido van Rossum is also known as the "Benevolent Dictator for Life". This title was given to him by the Python community to honor him for his long-term commitment and dedication to the project and for being the project leader for such a long period. Python is a high-level interpreted programming language that is used throughout the world for general-purpose programming. It is an open-source programming language licensed by both the Free Software Foundation (FSF) and Open-Source Initiative (OSI). Like some other programming languages, its source code is also available under the GNU General Public License (GPL). Python 2.x, being the legacy version, was used earlier across the globe. It stopped receiving newer features and security updates after Python 2.7, so people migrated to Python version 3.x. Throughout this book, we will be focusing more on the Python 3.x version, which is the latest and is currently in active development.

Before we proceed further, I would like to inform you all that the purpose of writing this book is to make your understanding of Python clearer by explaining technical terms in layman's language with the help of code snippets and practical examples. I also wanted to make sure that the reader does not feel bored while reading the book, so I'll be adding some attractive code snippets that are appealing to the eyes.

"Have you always wanted to learn computer programming but are afraid it'll be too difficult for you? Or perhaps you know other programming languages but are interested in learning the Python language fast? This book is for you"--Page 4 of cover.

Why Learn Python? Python is a general-purpose language, which means it can be used to build just about anything, which will be made easy with the right tools/libraries. Python is one of the over 1000 computer programming languages that are known today. Python has also grown tremendously to become one of the leading programming languages. People have liked it for its syntax and semantics which are easy for one to grasp, even those without a background in computer programming. Due to this, Python is taught to juniors in many schools worldwide. Python is also cross-platform, meaning that one can code in Python from various operating systems. Professionally, Python is great for backend web development, data analysis, artificial intelligence, and scientific computing. People, companies and institutions have used Python to develop different applications including web applications, game applications, desktop applications etc. The popularity of Python also continues to rise every day. Why this Book is different? This book explores every aspect of Python programming language. This book may be the best one for an absolute beginner, it's a step by step guide for any person who wants to start learning Python programming from scratch. It will help you in preparing a solid computer programming foundation and learn any other coding language will be easy to you. Book Objectives The author wrote this book with the goal of helping the readers learn every aspect of Python programming. The book will help you: Know more about computer programming and how to get started with Python programming language. Understand the various features of Python programming language and appreciate its power. Transition from a programming beginner to an expert. Target Users The book designed for a variety of target audiences. The most suitable users would include: Newbies in computer programming and Python Programming Professionals in computer programming and software applications development Professors, lecturers or tutors who are looking to find better ways to explain the content to their students in the simplest and easiest way Students and academicians, especially those focusing on computer programming and software development! Is this book for me? If you want to learn computer programming with Python, this book is for you. Experience in computer programming is not required. If this is the first time for you to hear about computer programming, this book is the best for you. What's Inside this Book? Getting Started with Python A comprehensive background How to Download and Install Python The Python Environmental Variables to Note Interacting with Python Starting and Interacting with Python Variables Loops Native Python Datatypes Python String Python Lists Python Dictionary Boolean Logic and conditional Constructing "While" Loops In Python Constructing "For Loops" Loops In Python Download your copy today!

Learn how to program with Python from beginning to end. This book is for beginners who want to get up to speed quickly and become intermediate programmers fast!

"I don't even feel like I've scratched the surface of what I can do with Python" With Python Tricks: The Book you'll discover Python's best practices and the power of beautiful & Pythonic code with simple examples and a step-by-step narrative. You'll get one step closer to mastering Python, so you can write beautiful and idiomatic code that comes to you naturally. Learning the ins and outs of Python is difficult-and with this book you'll be able to focus on the practical skills that really matter. Discover the "hidden gold" in Python's standard library and start writing clean and Pythonic code today. Who Should Read This Book: If you're wondering which lesser known parts in Python you should know about, you'll get a roadmap with this book. Discover cool (yet practical!) Python tricks and blow your coworkers' minds in your next code review. If you've got experience with legacy versions of Python, the book will get you up to speed with modern patterns and features introduced in Python 3 and backported to Python 2. If you've worked with other programming languages and you want to get up to speed with Python, you'll pick up the idioms and practical tips you need to become a confident and effective Pythonista. If you want to make Python your own and learn how to write clean and Pythonic code, you'll discover best practices and little-known tricks to round out your knowledge. What Python Developers Say About The Book: "I kept thinking that I wished I had access to a book like this when I started learning Python many years ago." - Mariatta Wijaya, Python Core Developer "This book makes you write better Python code!" - Bob Belderbos, Software Developer at Oracle "Far from being just a shallow collection of snippets, this book will leave the attentive reader with a deeper understanding of the inner workings of Python as well as an appreciation for its beauty." - Ben Felder, Pythonista "It's like having a seasoned tutor explaining, well, tricks!" - Daniel Meyer, Sr. Desktop Administrator at Tesla Inc.

It is no surprise to anyone that, currently, the technological and computer processes are advancing and progressing at an extremely advanced speed. Every day, we see new applications, programs, electronics, and other products that make a lot easier the actions we do every day. For the creation of each of these things, the union and coexistence of many factors are required. For a vehicle to work properly, it must have a computer in charge of all the processes. Apart from the electricity and electronics of the vehicle, we need the programming. In this book, you will find extremely important information about the beginnings of programming in general and to learn how to program in the programming language Python from zero. Throughout the chapters of this book, you will find several examples of programs that will help you understand the programming process. In addition to that, when you finish this book, you will have extensive knowledge in the following areas: - Data Types Integers, Floats, Complex, Booleans, Strings, and others; The meaning of variable, how to declare a variable, and types of variables - Basic Operators and Statements: What are the basic operators and why they are needed, the different statements with their respective diagrams - Loops and Control Statements: What is a loop

and how to use it, nested loops, for, range, while, break, continue, and pass - Exceptions: What is an exception and its benefits, the use of try and except - Files Management: What is it and how to use it, handling .xlsx, .pdf, and .txt files - MySQL: What is a database and how to use it, short introduction to MySQL language, Python and MySQL - Programming and Classes-Objects: What is OOP (Object-Oriented Programming) and the benefits of this type of programming, what is a class and a method and how to create them

If You Want To Learn Python Programming In As Little As 5 Days - And Have Fun Doing It, Read On... How many times have you thought about learning how to code but got discouraged because you had no technical background, didn't have the time to learn, or you just didn't think you were smart enough to have a crack at it? Well, we have good news for you. You Don't Need An Expensive Computer Science Degree, A 500 Page Textbook or A Genius Mind To Learn The Basics Of Python Programming! 5 times #1 Amazon bestselling author, James Tudor, provides a concise, step-by-step guide to Python programming for beginners. A lot of examples, illustrations, end of chapter summary and practice exercises (with solutions) are provided to help the reader learn faster, remember longer and develop a thorough understanding of key concepts. In This Book, you'll discover: A concise. Simple. Newby friendly style of teaching that lends itself well to beginners Chapters that have been sliced into bite-size chunks to give you the information you need (at that point in time) so you're not overwhelmed. Lots of simple, step-by-step examples and illustrations are used to emphasis key concepts and help improve your understanding Each practice exercise builds on concepts discussed in previous chapters so your learning is reinforced as you progress. Topics are carefully selected to give you a broad exposure to Python, while not overwhelming you with too much (potentially unnecessary) information. An end of chapter summary is presented to give you key takeaways that help you solidify your understanding A detailed step-by-step answer section that summarizes all the solution to the practice exercises presented in this book. ??NOTE?? Because this book is enrolled in Kindle Matchbook, Amazon will make the kindle edition of this book available to you for FREE when you purchase the paperback version today (Offer is only available to Amazon USA Customers) You no longer have to waste your time and money trying to learn Python from expensive online courses, college degrees or unnecessarily long textbooks that leave you thousands of dollars in debt, more confused and frustrated. If you're ready to learn the basics of python programming 5 days from TODAY, grab a copy of this book today! Scroll to the top of the page and click the "BUY NOW" button! The second edition of this best-selling Python book (over 500,000 copies sold!) uses Python 3 to teach even the technically uninclined how to write programs that do in minutes what would take hours to do by hand. There is no prior programming experience required and the book is loved by liberal arts majors and geeks alike. If you've ever spent hours renaming files or updating hundreds of spreadsheet cells, you know how tedious tasks like these can be. But what if you could have your computer do them for you? In this fully revised second edition of the best-selling classic Automate the Boring Stuff with Python, you'll learn how to use Python to write programs that do in minutes what would take you hours to do by hand--no prior programming experience required. You'll learn the basics of Python and explore Python's rich library of modules for performing specific tasks, like scraping data off websites, reading PDF and Word documents, and automating clicking and typing tasks. The second edition of this international fan favorite includes a brand-new chapter on input validation, as well as tutorials on automating Gmail and Google Sheets, plus tips on automatically updating CSV files. You'll learn how to create programs that effortlessly perform useful feats of automation to:

- Search for text in a file or across multiple files
- Create, update, move, and rename files and folders
- Search the Web and download online content
- Update and format data in Excel spreadsheets of any size
- Split, merge, watermark, and encrypt PDFs
- Send email responses and text notifications
- Fill out online forms

Step-by-step instructions walk you through each program, and updated practice projects at the end of each chapter challenge you to improve those programs and use your newfound skills to automate similar tasks. Don't spend your time doing work a well-trained monkey could do. Even if you've never written a line of code, you can make your computer do the grunt work. Learn how in Automate the Boring Stuff with Python, 2nd Edition.

Python for Everybody is designed to introduce students to programming and software development through the lens of exploring data. You can think of the Python programming language as your tool to solve data problems that are beyond the capability of a spreadsheet. Python is an easy to use and easy to learn programming language that is freely available on Macintosh, Windows, or Linux computers. So once you learn Python you can use it for the rest of your career without needing to purchase any software. This book uses the Python 3 language. The earlier Python 2 version of this book is titled "Python for Informatics: Exploring Information". There are free downloadable electronic copies of this book in various formats and supporting materials for the book at www.pythonlearn.com. The course materials are available to you under a Creative Commons License so you can adapt them to teach your own Python course.

Get a comprehensive, in-depth introduction to the core Python language with this hands-on book. Based on author Mark Lutz's popular training course, this updated fifth edition will help you quickly write efficient, high-quality code with Python. It's an ideal way to begin, whether you're new to programming or a professional developer versed in other languages. Complete with quizzes, exercises, and helpful illustrations, this easy-to-follow, self-paced tutorial gets you started with both Python 2.7 and 3.3—the latest releases in the 3.X and 2.X lines—plus all other releases in common use today. You'll also learn some advanced language features that recently have become more common in Python code. Explore Python's major built-in object types such as numbers, lists, and dictionaries Create and process objects with Python statements, and learn Python's general syntax model Use functions to avoid code redundancy and package code for reuse Organize statements, functions, and other tools into larger components with modules Dive into classes: Python's object-oriented programming tool for structuring code Write large programs with Python's exception-handling model and development tools Learn advanced Python tools, including decorators, descriptors, metaclasses, and Unicode processing

The programming language Python was conceived in the late 1980s, [1] and its implementation was started in December 1989[2] by Guido van Rossum at CWI in the Netherlands as a successor to the ABC (programming language) capable of exception handling and interfacing with the Amoeba operating system.[3] Van Rossum is Python's principal author, and his continuing central role in deciding the direction of Python is reflected in the title given to him by the Python community, Benevolent Dictator for Life (BDFL).[4][5] Python was named for the BBC TV show Monty Python's Flying Circus.[6] Python 2.0 was released on October 16, 2000, with many major new features, including a cycle-detecting garbage collector (in addition to reference counting) for memory management and support for Unicode. However, the most important change was to the development process itself, with a shift to a more transparent and community-backed process.[7] Python 3.0, a major, backwards-incompatible release, was released on December 3, 2008[8] after a long period of testing. Many of its major features have also been backported to the backwards-compatible Python 2.6 and 2.7.[9] In February 1991, van Rossum published the code (labeled version 0.9.0) to alt.sources.[10] Already present at this stage in development were classes with inheritance, exception handling, functions, and the core datatypes of list, dict, str and so on. Also in this initial release was a module system borrowed from Modula-3; Van Rossum describes the module as "one of Python's major programming units." [1] Python's exception model also resembles Modula-3's, with the addition of an else clause.[3] In 1994 comp.lang.python, the primary discussion forum for Python, was formed, marking a milestone in the growth of Python's userbase.[1] Python reached version 1.0 in January 1994. The major new features included in this release were the functional programming tools lambda, map, filter and reduce. Van Rossum stated that "Python acquired lambda, reduce(), filter() and map(), courtesy of a Lisp hacker who missed them and submitted working patches." [11] The last version released while Van Rossum was at CWI was Python 1.2. In 1995, Van Rossum continued his work on Python at the Corporation for National Research Initiatives (CNRI) in Reston, Virginia whence he released several versions. By version 1.4, Python had acquired several new features. Notable among these are the Modula-3 inspired keyword arguments (which are also similar to Common Lisp's keyword arguments) and built-in support for complex numbers. Also included is a basic form of data hiding by name mangling, though this is easily bypassed.[12] During Van Rossum's stay at CNRI, he launched the Computer Programming for Everybody (CP4E) initiative, intending to make programming more accessible to more people, with a basic "literacy" in programming languages, similar to the basic English literacy and mathematics skills required by most employers. Python served a central role in this: because of its focus on clean syntax, it was already suitable, and CP4E's goals bore similarities to its predecessor, ABC. The project was funded by DARPA.[13] As of 2007, the CP4E project is inactive, and while Python attempts to be easily learnable and not too arcane in its syntax and semantics, reaching out to non-programmers is not an active concern.[14] Here are what people are saying about the book: This is the best beginner's tutorial I've ever seen! Thank you for your effort. -- Walt Michalik The best thing i found was "A Byte of Python," which is simply a brilliant book for a beginner. It's well written, the concepts are well explained with self evident examples. -- Joshua Robin Excellent gentle introduction to programming #Python for beginners -- Shan Rajasekaran Best newbie guide to python -- Nickson Kaigi start to love python with every single page read -- Herbert Feutl perfect beginners guide for python, will give u key to unlock magical world of python

??Bonus: Buy the Paperback version of this book, and get the kindle eBook version included for FREE** If you have been trying to learn the Python program for some time now and you have decided this is the time, Python for Beginners is the book that you should get. Start as a beginner and finish as a pro. Not only because of the information that you get from the book, also because of the motivation. Learning about Python the easy way should be your motto. Most of the content that you are likely to find out there about Python is likely to leave you halfway asleep. However, even though this book has technical stuff (because it is needed), will also give you some fun facts about Python, keep you entertained ,and most importantly, informed. It is important to have a book that can guide you during your first stages of becoming a programmer. When it comes to learning about something as crucial as this, you want to make sure that the first thing you read guides you well - a book that you can refer to from time to time when you want to look into something that concerns the program. The book will give insights about the two major versions of Python that is Python 2 and 3. You will get to know their differences. You will know the importance of coding and why you need to come up with a good code. If you have been wondering how to install Python on either your Windows or Mac operating system, this is your chance to learn. You will get a step by step guide on how to program via the Tkinter tutorial. There is a lot of information on this book that will prove to be helpful. As a beginner, you will need a lot of information that will add value to your agenda. If you have a dream of one day programming a software with the Python program, don't start tomorrow - start today! It is important to have a guide that will give you useful throughout your journey. You need to stop procrastinating and start learning how to code the easy way! Start your journey once you buy this book! Inside you will find ?The difference between Python 2 and 3 and how they both work ?A step-by-step guide that will tell you how to install the program on both Windows and Mac ?The organization of the Python code ?The functions that are in Python and why you should use Python while programming ?Learn about the classes and objects in Python ?Get to know how Python code is organized and the importance of writing a good code ?This and more..... So what are you waiting for??? Scroll back up and order this book NOW.

Are you thinking about learning how to use the Python programming language? Thinking about getting started on a programming career? Are you thinking about learning data science? This book is for you!

Are you thinking about learning how to use the Python programming language? Thinking about getting started on a programming career? Python is one of the easiest computer programming languages to learn and use, with simple syntax and easy rules to follow. While it is aimed at beginners to Python coding, this book can also be used as a reference for those with a little more experience who want to brush up on their skills. The codes are also written in a way that you can change the values to see how different things work. Once you have mastered this guide, you can move seamlessly onto more experienced topics but I cannot stress enough the importance of practicing the codes regularly. Here's what you will learn: ?Python Datatypes?Python Strings?Python Lists?Python Tuples?Python Conditionals?Python Dictionaries ?Python For Loops?Python While Loops?Python Break & Continue Statements?Python Functions?Python Classes Don't waste any more time. Scroll up, click on Buy Now, and get

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Build real-world Artificial Intelligence applications with Python to intelligently interact with the world around you About This Book Step into the amazing world of intelligent apps using this comprehensive guide Enter the world of Artificial Intelligence, explore it, and create your own applications Work through simple yet insightful examples that will get you up and running with Artificial Intelligence in no time Who This Book Is For This book is for Python developers who want to build real-world Artificial Intelligence applications. This book is friendly to Python beginners, but being familiar with Python would be useful to play around with the code. It will also be useful for experienced Python programmers who are looking to use Artificial Intelligence techniques in their existing technology stacks. What You Will Learn Realize different classification and regression techniques Understand the concept of clustering and how to use it to automatically segment data See how to build an intelligent recommender system Understand logic programming and how to use it Build automatic speech recognition systems Understand the basics of heuristic search and genetic programming Develop games using Artificial Intelligence Learn how reinforcement learning works Discover how to build intelligent applications centered on images, text, and time series data See how to use deep learning algorithms and build applications based on it In Detail Artificial Intelligence is becoming increasingly relevant in the modern world where everything is driven by technology and data. It is used extensively across many fields such as search engines, image recognition, robotics, finance, and so on. We will explore various real-world scenarios in this book and you'll learn about various algorithms that can be used to build Artificial Intelligence applications. During the course of this book, you will find out how to make informed decisions about what algorithms to use in a given context. Starting from the basics of Artificial Intelligence, you will learn how to develop various building blocks using different data mining techniques. You will see how to implement different algorithms to get the best possible results, and will understand how to apply them to real-world scenarios. If you want to add an intelligence layer to any application that's based on images, text, stock market, or some other form of data, this exciting book on Artificial Intelligence will definitely be your guide! Style and approach This highly practical book will show you how to implement Artificial Intelligence. The book provides multiple

examples enabling you to create smart applications to meet the needs of your organization. In every chapter, we explain an algorithm, implement it, and then build a smart application.

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