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Create Graphical User Interfaces with Python John Brown
Learn Python programming today and begin your path towards Python programming mastery! In this Definitive Python Guide, you're about to discover... How to program code in Python through learning the core essentials that every Python programmer must know. Python is a very popular programming language, and there are a great many books on the market concerning it. We cut to the chase and tell you why you should get this one: Here is a Preview of What You'll Learn... Essentials of Python programming. Quickly pick up the language and start applying the concepts to any code that you write Major facets of Python programming - including concepts you can apply to *any* language Various mechanics of Python programming: control flow, variables, lists/dictionaries, and classes – and why learning these core principles are important to Python programming success Object-oriented programming, its influence to today's popular computer languages, and why it matters ... And much, much more! Added Benefits of owning this book: Get a better understanding of the Python programming language Learn the basic essentials of Python in order to gain the confidence to tackle more complex topics Gain the critical steps in your path towards Python programming mastery By implementing the lessons in this book, not only would you learn one of today's popular computer languages, but it will serve as your guide in accomplishing all your Python goals – whether as a fun hobby or as a starting point into a successful and long term programming career. Take action today and get this book now to reach your Python programming goals.
PYTHON PROGRAMMING FOR BEGINNERS Cambridge University Press
In this book the author stresses software as the most important topic in modern robotics. In particular the book concentrates on software for mobile robots, and the author demonstrates how inexpensive solutions can be constructed by mounting Raspberry Pi controllers and cameras onto model cars or other simple mechanical drive systems. He introduces EyeSim-VR, a freely available system that can realistically simulate driving, swimming, diving, and walking robots. The emphasis throughout is on algorithm development and all software assignments can run on real robot hardware, as well as on the simulation system presented. The book is suitable for undergraduate and graduate courses in artificial intelligence and robotics, and also for self-study by practitioners. All software used in this book, including all example programs, can be freely downloaded online, with native applications for MacOS, Windows, Linux, and Raspberry Pi.
Scripting Superpack For Beginners Addison-Wesley Professional
Are you interested in Python? If yes, then this is the right book for you! Python was created in 1990 by Guido van Rossu, and is a general-purpose, high-level programming language. It has become extremely popular over the past decade, thanks to its intuitive nature, flexibility, and versatility. Python can be used on a wide variety of operating systems, and its clean, readable code style makes it relatively beginner-friendly, while not as

fast as other languages, such as C++ or JAVA, Python code is often much shorter and simpler than other languages. Python also supports several packages and modules created by other developers to make the development of Python applications quicker and easier. There are hundreds of different programming languages out there in the world, with Wikipedia listing over 700 notable languages. Given how many languages you could potentially learn, why learn Python? Python has seen an explosion in popularity in recent years, driven by several aspects that make it an incredibly versatile and intuitive language. A huge selling point of Python is the cleanliness and readability of its syntax and structure. Commands in Python can often be carried out using simple English keywords, which makes the language much more intuitive than many other languages. Python is also quite versatile in the sense that it supports both structured programming and object-oriented programming approaches. Python even allows the use of certain aspects of functional programming. This Book Covers: Understanding Python Why the name "Python"? Python Glossary Python Installation Python Data Types And much more!! Despite its simplicity, Python is also sturdy and robust enough to carry out complex scientific and mathematical tasks. Python has been designed with features that drastically simplify the visualization and analysis of data. Ready to get started? Click the BUY NOW button!

Programming for Computations - Python

Have you been seriously thinking about digging into programming but don't know where to start? Are you looking for a quick boost to your career growth? In this Python programming crash course, you will be guided by a quick and thorough introduction intended solely for beginners who want to understand Python programming and learn how to write helpful programs. The book is aimed at getting you fast enough to accelerate and get you to write real programs in no moment. This book is also designed for programmers who have a vague language understanding and would like to brush up their knowledge before trying to program their Python hands-on. The aim of this ultimate guide is to keep each section's thoughts and provide step-by-step guidance to make the learning experience smooth and gradual.It will also address how any future frustration can be reduced. Each code unit is tested, executed and re-read closely. In addition, the INTERACTIVE exercises are optimized for the highest level of commitment, meaning you're not going to get bored to death. Here is what you will find in this book on Pythons for Beginners: A History of Python and the basic concepts of Python Programming How to prepare your computer for programming in Python and how to install Python on Windows, Mac, and Linux. Screenshots included. Python functions that you'll use often. How to work with various data types including strings, lists, tuples, dictionaries, booleans, and many more. How to begin creating the Command Line Search Tool and make programs with Python Sockets And much more... After reading this book, you will realize that Python Programming is not difficult at all and you don't need to be rocket scientist to learn it.This revised and thoroughly tested Python guide will get you up to speed and quickly get you to write true programs. So, why wait any longer? Click the buy button now and start your code

and motors!

Python for Beginners No Starch Press ★55% OFF for bookstores! NOW at $39.95 instead of $49.95★ Here's the Perfect Guide for Beginners to Quickly and Painlessly Learn Python and Become Competitive in the Job Market Would you like to: ● Learn a widely-used programming language to expand your skillset? ● Get started from scratch and become a Python expert? ● Write flawless Python code and design websites in the blink of an eye? If so, your customers will never stop to use this awesome book! Whether you're a seasoned programmer who wants to make a switch to Python, or you want to learn a new marketable skillset and become a great programmer, you're at the right place. Python is top on the list of the most diverse, flexible, and easy to learn programming languages. It's used in almost every industry, for all types of software. If you learn Python, you'll be able to find a job almost everywhere and especially in the emerging field of data science. You can design complex programs with Python, but that doesn't mean the language itself is complicated. In fact, interpreted language that can be easily written, edited and corrected. It's perfect for beginners and pros alike! Here's what you'll learn in the course of this book: ● What is Python and what are the basic principles of this language ● Which version is the easiest to use and learn for beginners ● Python data types, variables, and the basic syntax ● How to use and understand classes, conditions, and loops ● What are Python operators and how to use strings AND SO MUCH MORE! The best thing about Python is that once you learn it, that learning other computer programming languages will be much easier to acquire! Also, by using Python and Django, you will be able to bring your creations to life faster and monetize them. So what are you waiting for?

Beginning Sensor Networks with XBee, Raspberry Pi, and Arduino Independently Published

Python is an easy-to-use and easy-to learn programming language that is freely available on Windows, Macintosh, and Linux computers. In this book, you'll learn Python by working through 15 chapters. 1. Introduction 2. Installation and Getting Started 3. Python IDEs and Debuggers 4. Python Basics 5. Data Types and Dynamic Typing 6. Control Constructs 7. Functions 8. Modules, Import-Statements and Packages 9. Advanced Functions and Namespaces 10. File Input/Output 11. Assertion and Exception Handling 12. Commonly-Used Python Standard Library Modules 13. Object-Oriented Programming (OOP) in Python 14. Unit Testing 15. Database Programming This book is designed for - Students who want to learn programming and computational thinking with no programming experience - Junior developers who know one or two languages - Returning professionals who haven't written code in years - Seasoned professionals looking for a fast, simple, crash course in Python 3

Python Programming Hacktech Academy

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? Or did you think you didn't have enough basic skills? If so, keep reading... Are you ready to dip your toes into the exciting world of Python coding? This book is for you. You no longer have to waste your time and money learning Python from lengthy

books, expensive online courses or complicated Python tutorials. What this book offers... Python for Beginners Complex concepts are broken down into simple steps to ensure that you can easily master the Python language even if you have never coded before. Carefully Chosen Python Examples Examples are carefully chosen to illustrate all concepts. In addition, the output for all examples is provided immediately so you do not have to wait till you have access to your computer to test the examples. Careful selection of topics Topics are carefully selected to give you a broad exposure to Python, while not overwhelming you with information overload. These topics include object-oriented programming concepts, error handling techniques, file handling techniques and more. Learn The Python Programming Language Fast Concepts are presented in a "to-the-point" style to cater to the busy individual. With this book, you can learn Python in just one day and start coding immediately. What you'll learn: - What is Python? - What software you need to code and run Python programs? - What are variables? - What are the common data types in Python? - What are Lists and Tuples? - How to format strings - How to accept user inputs and display outputs - How to control the flow of program with loops - How to handle errors and exceptions - What are functions and modules? - How to define your own functions and modules - How to work with external files - What are objects and classes - How to write your own class - How to handle errors in python - Python web development If you are already convinced, I invite you to continue reading this book. I promise you that the more and more you go into each of the topics presented, you will discover all the potential that programming has in a practical way and that you are capable of doing much more than you imagined. Scheduling is not difficult when you invest the right amount of time, are persistent, and value self-learning. You will find that solving the challenges faced during code development is something rewarding, and when you can visualize your creations after a day of study, you will feel motivated to continue and eager to know more. Click the BUY button and download the book now to start learning Python. Learn it fast and learn it well.

Python Programming Cambridge University Press

A practical project-based guide to help you build and control your IoT projects Key FeaturesLeverage the full potential of IoT with the combination of Raspberry Pi 3 and PythonBuild complex Python-based applications with IoTWork on various IoT projects and understand the basics of electronicsBook Description The Internet of Things (IOT) has managed to attract the attention of researchers and tech enthusiasts, since it powerfully combines classical networks with instruments and devices. In Internet of Things Programming Projects, we unleash the power of Raspberry Pi and Python to create engaging projects. In the first part of the book, you'll be introduced to the Raspberry Pi, learn how to set it up, and then jump right into Python programming. Then, you'll dive into real-world computing by creating a"Hello World" app using flash LEDs. As you make your way through the chapters, you'll go back to an age when analog needle meters ruled the world of data display. You'll learn to retrieve weather data from a web service and display it on an analog needle meter, and build a

home security system using the Raspberry Pi. The next project has a modern twist, where we employ the Raspberry Pi to send a signal to a web service that will send you a text when someone is at the door. In the final project, you take what you've learned from the previous two projects and create an IoT robot car that you can use to monitor what your pets are up to when you are away. By the end of this book, you will be well versed in almost every possible way to make your IoT projects stand out. What you will learnInstall and set up a Raspberry Pi for IoT developmentLearn how to use a servo motor as an analog needle meter to read dataBuild a home security dashboard using an infrared motion detectorCommunicate with a web service that sends you a message when the doorbell ringsReceive data and display it with an actuator connected to the Raspberry PiBuild an IoT robot car that is controlled through the internetWho this book is for Internet of Things Programming Projects is for Python developers and programmers who are interested in building their own IoT applications and IoT-based projects. It is also targeted at IoT programmers and developers who are looking to build exciting projects with Python.

Python for Beginners Springer Nature Guido Van Rossum created the Python Programming language in February 1991. Python is an interpreted, high-level, general-purpose programming language. Python allows us to create a game, build web apps, do general-purpose scripting, etc. Before we dive into the details of Python, let's understand what the term Programming or Coding means? Programming helps human beings to reduce hours of manual effort. In today's era, demand for programming is growing rapidly; i.e., there is a huge need for software developers and programmers in IT (Tech) Industries. To write code in any language, we need a friendly platform where we can write the code and can execute it. For this, we use IDEs. IDE - An IDE (Integrated Development Environment) is a software application that provides many comprehensive facilities to programmers for software or application development. Python is used by many of the best tech companies. A few of those companies are: Instagram Facebook Google Reddit Spotify Quora Dropbox Netflix

Python Programming John Wiley & Sons 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.

Robot Adventures in Python and C Independently Published

Are you new to software development? Are you curious about learning what artificial intelligence is? Do you want to master the Phyton programming language? Well, this book is your best choice! There may be a lot of different languages that you can work with when it comes to the coding that you would like to work with, but none are going to provide you with the benefits that you are working with. This language is so popular and used so often that there are a few different operating systems that already have some version of Python found on them for you to use. This can make it easier to get some of the coding done that you would like, and will ensure that you will get the best benefits out of it in no time. ★YOUR CUSTOMERS WILL NEVER STOP READING THIS AWESOME BOOK!★ This book covers: What Is Python and His History and Why Learn Python Getting Started with Python Variables and Operators Basic Operators Data Types in Python And so much more!! The Python language is more natural to read: If you take a look through some of the codes that we have later on in this guidebook, you will find that this is an easy task to read through some of the different parts of the law. Even if you have not been able to work with this language before, you will still be able to look at some of the systems and notice that you recognize the parts as well. The program is open source. This means that you won't have to worry about someone taking over the code and ruining it. It also means that the original Python is free and available to anyone who wants to download it. Would You Like To Let your customers Know More? ★BUY A CARTON OF THIS BOOK NOW AND LET YOUR CUSTOMERS GET ADDICTED TO IT!★

Python Programming Apress

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time with unique coding methods. Practical techniques and exercises: Put your knowledge to test and bring your ideas to life in no time. It doesn't matter if you are a beginner or you have never coded before; this guide will slowly ease you into the world of Python and data science. While most of the other similar books focus purely on theory and complicated concepts, these guides focus on a more practical approach to learning Python and data science. First of all, you'll learn basic programming concepts, such as variables, lists, classes, and loops. Then you will practice clean code writing and how to test your code safely. After that, you'll be able to put your knowledge to the test with some practical projects. Here is what else this bundle will show you: The basics of data types, variables, and structures How to properly define the data type of data structure Suitable types of operations and functions for data structuring Methods and applications of data analysis The basics of neural networks and how to create one Use of algorithm and models in data science Using data for prediction and deep learning The best thing about Python is that it's easy to learn and even easier to get up and running. By using tools like Django, for example, you can quickly bring your ideas and creations to life and start monetizing them in no time. The second best thing about learning how to program in Python is the advantage you'll have when you start learning other programming languages- after you master Python, learning different programming languages will be a piece of cake. If you want to conquer the Python programming language in no time, all you have to do is take these guides in your hands and follow the step-by-step instructions. Get Your Copy Now!

Get Started with MicroPython on Raspberry Pi Pico Createspace Independent Publishing Platform Ready to start this new journey into the Python’s world? Python is the ideal language to learn for budding developers. It is a modern object-oriented programming language with easy to read code and an extensive internet bank of modules. It offers high-level dynamic data types, many built-in functions, and operators, classes, garbage collection, and supports dynamic typing. Python runs on just about any device. Python is an OSI approved open-source software application that makes it free to download and install. Python For Beginners: A crash course to learn Python Programming in 1 Week will take you through the basics of getting started with Python programming step by step. This tutorial will teach you everything you need to know to get you to the next programming level. The book covers all the Python basics, with follow-along examples and exercises, giving you a hands-on learning approach. By the time you have made your way through the book, you will be ready to tackle the beginner’s and a few intermediate projects waiting for you at the end of it. This book covers where to and how to download and install Python. You will learn how to download and install PyCharm which is an integrated development environment where you will learn to write code. The content covers all the basics such as variables, statements, functions, keywords, data types, and more. Python For Beginners: A crash course to learn Python Programming in 1 Week has everything you need to learn to comfortably move on to more advanced programming. It is an entry-level tutorial guide that makes

Python easy and fun to learn. Get your copy Now

Cambridge IGCSE® and O Level Computer Science Programming Book for Python No Starch Press

Unsure where to get started with coding? Worried that learning a coding language will be too hard? Or do you want to learn the easiest programming language? Learning how to start with a new coding language is not always as easy as it may seem, and some beginners are worried that working in this kind of language is going to be difficult and they give up before trying. Maybe you have heard horror stories from those who tried to coding in the past, and nothing worked. The truth is... Python does work, and it is as simple as it seems! Python Programming is going to take the time to teach you, whether you are a total beginner or have worked with some coding in the past, how to handle the Python language and how to make it work for your needs. We will look not only at what this language is but give you some practical examples that can help you to start coding in this language in no time. DOWNLOAD: Python Programming -- The Ultimate Beginner's Guide to Python Language Fundamentals You will learn: Why Python is Considered One of the Best Languages to Learn as a Beginner Step-by-Step Instructions to Download & Install Python language on Windows, Mac, and Linux 5 Common Mistakes to Avoid when You Start Coding Basics of Python Programming that Will Allow You to Write your First Program in No Time How to Handle Strings, Operators, Conditional Statements The One Thing You Need to Debug your Codes in Python Practical Exercises to Quickly Get Practice Simple Strategies to Write Clean, Understandable and Flexible Code With the help of Python Programming, you will be able to learn more about how coding in this language works, and how even someone with no coding experience can make it work. Keep in mind that you can never compare a well-structured guide, with free online resources like Youtube videos and Blogs (mostly out-dated). Whether you're completely new to programming or you are looking for a new language to expand your skills, you will find this book an invaluable tool for starting and mastering programming in Python. Would You Like to Know More? Download Now to Master Python Programming! Scroll up and click "BUY NOW with 1-Click" to get your copy now!

Python Programming CRB Publishing

This book presents computer programming as a key method for solving mathematical problems. There are two versions of the book, one for MATLAB and one for Python. The book was inspired by the Springer book TCSE 6: A Primer on Scientific Programming with Python (by Langtangen), but the style is more accessible and concise, in keeping with the needs of engineering students. The book outlines the shortest possible path from no previous experience with programming to a set of skills that allows the students to write simple programs for solving common mathematical problems with numerical methods in engineering and science courses. The emphasis is on generic algorithms, clean design of programs, use of functions, and automatic tests for verification.

Python for Beginners John Wiley & Sons

If you're looking for a complete beginners guide to the programming language python, without resorting to an outside programmer, then keep

reading... You've decided that one of the most in-demand skills is the best place to start when making money. But learning how to code can be a very long and arduous process. However 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 the tips and tricks to get up and running with python, the solid programming language used in hundreds of industries around the world. This information allows you to become skilled much faster. Imagine cutting months off of your learning curve and get a strong base of knowledge in no time at all. This is not some phony information written by amateurs, this isn't just a brief insight into python giving you basic knowledge. This is detailed, scientific information compiled together by experts in an easy to read fashion. In this Python guide, you will discover: 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 3 different examples of coding If you want to learn more about how to get the best Python training without the boring and soul-destroying mistakes, then simply click the buy now button on this page to get started.

Learning Python Packt Publishing Ltd
This book emphasizes software design as the most important topic in modern robotics and demonstrates practical code examples in Python and C. The book introduces the free simulation system EyeSim in combination with EyeBot robots, which can be built from inexpensive embedded processors, sensors and motors – or by adapting the control inputs of model cars. EyeSim is a free software for MacOS, Windows and Linux, which uses a realistic physics simulation engine and is source-code compatible to the EyeBot mobile robots. So, each robot program can first be tested on the simulator before running it on a real robot. EyeSim includes modules for driving, walking, swimming and diving robots, as well as for robot manipulators. EyeSim also runs on the Meta/Oculus Quest, providing a fully immersive robotics experience in virtual reality. Beginning with simple driving algorithms and sensor data processing for distance sensors, Lidar and camera, the book progresses to more complex localization and navigation tasks, as well as vision-based navigation and genetic algorithms. It concludes with artificial intelligence applications for mobile robots in traffic scenarios and full-size autonomous vehicles. This book is suitable as a text for undergraduate and graduate courses in Robotics, Automation and Artificial Intelligence, as well as a self-study guide for practitioners and hobbyists. All robot application programs in this book are available as free downloads for MacOS, Windows, Linux, and Raspberry Pi OS.

Raspberry Pi For Dummies E.C. Publishing via PublishDrive
Build sensor networks with Python and MicroPython using XBee radio modules, Raspberry Pi, and Arduino boards. This revised and updated edition will put all of these together to form a sensor network, and show you how to turn your Raspberry Pi into a MySQL database server to store your sensor data! You'll review the different types of sensors and sensor networks, along with new technology, including how to build a

simple XBee network. You'll then walk through building an sensor nodes on the XBee, Raspberry Pi, and Arduino, and also learn how to collect data from multiple sensor nodes. The book also explores different ways to store sensor data, including writing to an SD card, sending data to the cloud, and setting up a Raspberry Pi MySQL server to host your data. You'll even learn how to connect to and interact with a MySQL database server directly from an Arduino! Finally you'll see how to put it all together by connecting your sensor nodes to your new Raspberry Pi database server. If you want to see how well XBee, Raspberry Pi, and Arduino can get along, especially to create a sensor network, then Beginning Sensor Networks with XBee, Raspberry Pi, and Arduino is just the book you need. What You'll LearnCode your sensor nodes with Python and MicroPython Work with new XBee 3 modulesHost your data on Raspberry PiGet started with MySQLCreate sophisticated sensor networks Who This Book Is For Those interested in building or experimenting with sensor networks and IoT solutions, including those with little or no programming experience. A secondary target includes readers interested in using XBee modules with Raspberry Pi and Arduino, those interested in controlling XBee modules with MicroPython.

Python for Complete Beginners Nelly B.L. International Consulting Limited

55 % discount for bookstores ! Now At $21.99 instead of $ 34.08 $ Your customers will never stop reading this guide !!! PYTHON PROGRAMMING This book presented the execution model of Python (how Python runs your projects) and investigated some normal minor departure from that model (without a moment to spare compilers and such). Despite the fact that you don't actually have to grasp Python internals to compose Python contents, a passing associate with this present book's subjects will assist you with understanding your projects run once you begin coding them. In the following part, you'll start really running some code of your own. To start with, however, here's the standard section test. We've likewise taken a gander at basic approaches to dispatch Python programs: by running code composed intuitively, and by running code put away in records with framework order lines, record symbol clicks, module imports, executive calls, and IDE GUIs like IDLE. We've covered a great deal of down to earth startup domain here. This current book's objective was to furnish you with enough data to empower you to begin thinking of some code, which you'll do in the following piece of the book. There, we will begin investigating the Python language itself, starting with its center information types. To start with, however, take the standard part test to practice what you've realized here. Since this is the last section in this piece of the book, it's followed with a bunch of more complete activities that test your authority of this whole part's themes. For assist with the last arrangement of issues, or only for a boost, make certain to go to Appendix B after you've checked the activities out. Buy it Now and let your customers get addicted to this amazing book !!

Python for Scientists John Brown

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.

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