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Coding Projects In Python

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Programming Project
Ideas (+ Tutorials) for

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Beginners Coding Projects In Python

Python projects for beginners: 10 fun project ideas

1: Odd or even? Let ' s start with a super easy project you can build right away. Write a small Python program that asks...

2: Guessing the number Making a user guess a number is another easy Python program you

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can write in just a few
lines of... 3: ...

Python Projects for
Beginners: 10 Easy
Python Programming ...

Project-oriented
learning is the best way
to learn coding. Python
is the most in demand
language today and to
help you learn it, here
are some of the most
important Python

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Projects that you can explore: The Hangman Game. Graphs in Python. CIFAR10 Using TensorFlow In Python.

[Top Python Projects | Beginner to Advanced Python Projects ...](#)

Fun Python projects for aspiring developers:
Password generator —
Build a secure password

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generator in Python.

Use Tweepy to create a Twitter bot — This is bit more advanced, as you'll need to use the Twitter API, but definitely... Build an Address Book — This could start with a simple Python ...

[16 Python Project Ideas for Beginners \(2020 Update\)](#)

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Kids Python

programming projects need to be engaging, exciting and they should enable students to be creative. This is the best way to teach Python for kids . At codetoday, our curriculum is delivered entirely through projects and the fundamental concepts are introduced through practical examples.

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Some of the Kids

Python Programming

Projects for Learning ...

Python Project –

Secure sensitive

information by encoding

messages. The objective

of this project is to

encode (or encrypt) and

decode messages using a

common key. This

Python project will be

built using Tkinter and

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base64 library. Source
Code: Python Message
Encode Decode

Python Projects for
2020 - Work on real-
time projects to ...
10 Cool Python Project
Ideas for Python
Developers 1. Content
Aggregator. The
internet is a prime
source of information
for millions of people

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who are always looking for... 2. URL Shortener. URLs are the primary source of navigation to any resource on the internet, be it a webpage or a file,... 3. ...

10 Cool Python Project Ideas for Python Developers | by ...

These have prompted more persons into creating tutorials and

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The best way to learn to code is not just consuming tutorials but also practicing alongside. it ' s amazing that you have decided to learn Python. So I have decided to share with you 15 Python Projects Ideas.

15 Python Projects Ideas
For Beginner -

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Dunebook

Top Python Projects
with Source Code 1.

Detecting Fake News
with Python. Fake news
can be dangerous. This
is a type of yellow
journalism and spreads
fake...

2. Detecting
Parkinson ' s Disease
with XGBoost.

Parkinson ' s disease is a
progressive disorder of
the central nervous... 3.

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Color Detection with ...

Python Projects with Source Code - Practice Top Projects ...

Python is famous for how well it works for just about any coding project. You can use Python, along with a Python library called Beautiful Soup, to extract data from HTML and XML

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documents. This example of web scraping exports the data into a CSV file so you can use a program like Excel to create charts, graphs, plots, and more using your data.

[The 10 Best Beginner Projects for New Programmers | MakeUseOf](#)

You saw project ideas

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for the Web, GUI, and Command-line platforms. You can choose to build a project for different platforms.

Using the URL Shortener as an example, you may choose to build one for the Web, GUI, or the Command-line. Since you ' re an intermediate Python developer, these projects can be quite

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challenging but
interesting.

13 Project Ideas for Intermediate Python Developers – Real ...

For this project, you will have a generate a sine vs cosine curve. You will need to use the numpy library to access the sine and cosine functions.

You will also need to use the matplotlib library to

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6 Python Projects For Beginners | Codementor

Creating games is probably the best way to learn coding, logic, and any new programming language like Python. It also gives you a feeling of creating something useful. This is another free,...

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8 Projects You Can
Build to Learn Python
in 2020 | by ...

coding and
programming project
using python.

Kompetens: Python,
Programvaruarkitektur,
PHP, Coding Visa mer:
morse code

programming project
using java, database
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programming, design
project using
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bioinformatics
programming using
python, introduction to
computation and
programming using
python, introduction to
computation and
programming using
python pdf, introduction
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coding and

programming project
using python | Python

...

The Goal: Similar to the first project, this project also uses the random module in Python. The program will first randomly generate a number unknown to the user. The user needs to guess what that number is. (In other words, the

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user needs to be able to
input information.)

Five mini programming projects for the Python beginner ...

Python is a popular,
interpreted, high-level
programming language
which is widely used.

Python is a general-
purpose programming
language hence, python-
based projects are used

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for developing both desktop and web applications. Nevon Projects possess a wide list of python programming projects ideas for beginners, engineers, students and researches.

Latest Python Projects
2020 For Students With
Source Code

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Management System In

PYTHON Ludo Game

Project In PYTHON

Hotel Management

System Project in

Python Complaint

Management System

Project in Python

Pharmacy Management

System Project In

Python Bank

Management System

Project in Python Movie

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Rental Shop Management ...

[Python Projects with
source code |
projectworlds | Free ...](#)

This Python project will take you back to the good old days and in the meantime, you will lay your hands on one of the coolest Python libraries, which is pygame. A project that

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excites you and will let you enhance your Python skills. SOURCE CODE: Tic Tac Toe Game Python Project 5.

[5 Cool Python Project Ideas For Inspiration | Hacker Noon](#)

Picking fun Python projects for beginners may make the difference between just starting and finishing a project.

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Oftentimes, new programmers practice by choosing a project that solves a daily problem. Think about how well the project will fit into your overall goals.

Python for beginners -
you'll learn how to build
amazing graphics, fun

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games, and useful apps using Python, an easy yet powerful free programming language available for download. A perfect introduction to Python coding for kids ages 10 and over who are ready to take the next step after Scratch - all they need is a desktop or laptop, and an internet connection to download Python 3.

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Coding Projects

Using fun graphics and easy-to-follow instructions, this straightforward, visual guide shows young learners how to build their own computer projects using Python. Step-by-step instructions teach essential coding basics like loops and conditionals, and outline 14 fun and exciting projects. Included is a

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script that cracks secret codes, a quiz to challenge family and friends, a matching game, and more. When they feel more confident, kids can think creatively and use the tips and tricks provided to personalize and adapt each project. The simple, logical steps in Coding Projects in Python are fully

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illustrated with fun pixel art and build on the basics of coding. Kids will eventually have the skills to build whatever kind of project they can dream up - the only limit is your imagination! Create, Remix and Customize! Create crazy games, crack fiendish codes, and compose crafty quizzes with this

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amazing collection of Python projects. Suitable for beginners and experts alike, Coding Projects in Python has everything enthusiastic coders need. Follow the simple steps to learn how to write code in this popular programming language and improve your programming skills, while you learn to

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create, remix, and customize your own projects. The material in this educational book is example based and the colors and humor keep children engaged while they learn to code. If your child is ready for the next step after mastering Scratch, this is the book to get! Inside this guide, you will learn about: - Starting with

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Python and first steps -
Creating cool graphics
and playful apps -
Getting acquainted with
games in Python
Supporting STEM
education initiatives,
computer coding
teaches kids how to
think creatively, work
collaboratively, and
reason systematically,
and is quickly becoming
a necessary and sought-

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after skill. DK's computer coding books for kids are full of fun exercises with step-by-step guidance, making them the perfect introductory tools for building vital skills in computer programming. Coding Projects in Python is the third in an awesome coding book series for kids. Add Coding Projects in

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Scratch and Coding
Games in Scratch to
your collection.

Using fun graphics and easy-to-follow instructions, Coding Projects in Python is a straightforward, visual guide that shows young learners how to build their own computer projects using Python, an easy yet powerful

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free programming language available for download. Perfect for kids ages 10 and over who are ready to take a second step after Scratch, Coding Projects in Python teaches kids how to build amazing graphics, fun games, and useful apps. All they need is a desktop or laptop, and an Internet connection

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to download Python 3. Step-by-step instructions teach essential coding basics like loops and conditionals, and outline seven fun and exciting projects, including a script that cracks secret codes, a quiz to challenge family and friends, a tic-tac-toe game, and much more. When they are feeling more confident, kids can

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think creatively and use the tips and tricks provided to personalize and adapt each project. The simple, logical steps in Coding Projects in Python are fully illustrated with fun pixel art and build on the basics of coding, so kids can have the skills to build whatever kind of project they can dream up. Supporting STEM

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education initiatives, computer coding teaches kids how to think creatively, work collaboratively, and reason systematically, and is quickly becoming a necessary and sought-after skill. DK's computer coding books are full of fun exercises with step-by-step guidance, making them the perfect introductory

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tools for building vital skills in computer programming.

A straightforward, visual guide that shows young learners how to build their own computer projects using Python, an easy yet powerful free programming language available for download. Teaches kids how to build amazing

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graphics, fun games,
and useful a

Creative Coding in Python presents over 30 creative projects that teach kids how to code in the easy and intuitive programming language, Python. Creative Coding in Python teaches the fundamentals of computer programming

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and demonstrates how to code 30+ fun, creative projects using Python, a free, intuitive, open-source programming language that's one of the top five most popular worldwide and one of the most popular Google search terms in the U.S. Computer science educator Sheena Vaidyanathan helps kids

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Understand the fundamental ideas of computer programming and the process of computational thinking using illustrations, flowcharts, and pseudocode, then shows how to apply those essentials to code exciting projects in Python: Chatbots: Discover variables, strings, integers, and

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more to design
conversational
programs. Geometric
art: Use turtle graphics
to create original
masterpieces. Interactive
fiction: Explore
booleans and
conditionals to invent
"create your own
adventure" games. Dice
games: Reuse code to
devise games of chance.
Arcade games and apps:

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Understand GUI

(graphical user interfaces) and create your own arcade games and apps. What 's next? Look at exciting ways to use your powerful new skills and expand your knowledge of coding in Python. Creative Coding in Python gives kids the tools they need to create their own computer

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A guide to completing Python projects for those ready to take their skills to the next level Python Projects is the ultimate resource for the Python programmer with basic skills who is ready to move beyond tutorials and start building projects. The preeminent guide to

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In Python, bridge the gap between learning and doing, this book walks readers through the "where" and "how" of real-world Python programming with practical, actionable instruction. With a focus on real-world functionality, Python Projects details the ways that Python can be used to complete daily tasks and bring

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efficiency to businesses
and individuals alike.

Python Projects is
written specifically for
those who know the
Python syntax and lay of
the land, but may still be
intimidated by larger,
more complex projects.

The book provides a
walk-through of the
basic set-up for an
application and the
building and packaging

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for a library, and explains in detail the functionalities related to the projects. Topics include: *How to maximize the power of the standard library modules *Where to get third party libraries, and the best practices for utilization *Creating, packaging, and reusing libraries within and across projects *Building

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Multi-layered

functionality including
networks, data, and user
interfaces *Setting up

development

environments and using
virtualenv, pip, and

more Written by

veteran Python trainers,

the book is structured

for easy navigation and

logical progression that

makes it ideal for

individual, classroom, or

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corporate training. For Python developers looking to apply their skills to real-world challenges, Python Projects is a goldmine of information and expert insight.

” Tiny Python Projects is a gentle and amusing introduction to Python that will firm up key programming concepts

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while also making you giggle. ” —Amanda Debler, Schaeffler Key Features Learn new programming concepts through 21-bitesize programs Build an insult generator, a Tic-Tac-Toe AI, a talk-like-a-pirate program, and more Discover testing techniques that will make you a better programmer Code-

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You'll be engaged and entertained with every exercise, as you learn about text manipulation, basic algorithms, and lists and dictionaries, and other foundational programming skills. Gain confidence and experience while you create each satisfying project. Instead of going quickly through a wide

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In Python, this book concentrates on the most useful skills, like text manipulation, data structures, collections, and program logic with projects that include a password creator, a word rhymer, and a Shakespearean insult generator. Author Ken Youens-Clark also teaches you good

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programming practice,
including writing tests
for your code as you go.

What You Will Learn

Write command-line

Python programs

Manipulate Python data
structures Use and

control randomness

Write and run tests for
programs and functions

Download testing suites
for each project This

Book Is Written For For

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readers familiar with the basics of Python programming. About The Author Ken Youens-Clark is a Senior Scientific Programmer at the University of Arizona. He has an MS in Biosystems Engineering and has been programming for over 20 years. Table of Contents 1 How to

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write and test a Python program

- 2 The crow 's nest: Working with strings
- 3 Going on a picnic: Working with lists
- 4 Jump the Five: Working with dictionaries
- 5 Howler: Working with files and STDOUT
- 6 Words count: Reading files and STDIN, iterating lists, formatting strings
- 7 Gashlycrumb: Looking

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items up in a dictionary
8 Apples and Bananas:
Find and replace 9 Dial-
a-Curse: Generating
random insults from lists
of words 10 Telephone:
Randomly mutating
strings 11 Bottles of Beer
Song: Writing and
testing functions 12
Ransom: Randomly
capitalizing text 13
Twelve Days of
Christmas: Algorithm

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The Scrambler:

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Mad Libs: Using regular expressions 18

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ASCII values 19

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Workout of the Day:
Parsing CSV files,
creating text table
output 20 Password
strength: Generating a
secure and memorable
password 21 Tic-Tac-
Toe: Exploring state 22
Tic-Tac-Toe redux: An
interactive version with
type hints

Immerse yourself in
learning Python and

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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

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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

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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

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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

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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

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programming, and those already in the software development industry and would like to learn Python programming.

Unleash Python and take your small readers on an adventurous ride through the world of programming About This Book Learn to start using Python for some simple programming

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tasks such as doing easy mathematical calculations. Use logic and control loops to build a nice interesting game. Get to grips with working with data and, once you're comfortable with that, you'll be introduced to Pygame, which will help you wrap up the book with a cool game. Who This Book Is For This book is

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for kids (aged 10 and over). This is book is intended for absolute beginners who lack any knowledge of computing or programming languages and want to get started in the world of programming. What You Will Learn Start fiddling with Python's variables, build functions and interact with users Build your

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own calculator using the
Math Library Train
Python to make logical
decisions Work with
moving 2D objects on-
screen Understand the
Pygame Library and
build your very own
game! Write a cool
program to manage
inventories in your
backpack In Detail Kids
are always the most fast-
paced and enthusiastic

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learners, and are naturally willing to build stuff that looks like magic at the end (when it works!). Programming can be one such magic. Being able to write a program that works helps them feel they've really achieved something. Kids today are very tech-savvy and cannot wait to enter the fast-paced digital world.

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Because Python is one of the most popular languages and has a syntax that is quite simple to understand, even kids are eager to use it as a stepping stone to learning programming languages. This book will cover projects that are simple and fun, and teach kids how to write Python code that works.

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The book will teach the basics of Python programming, installation, and so on and then will move on to projects. A total of three projects, with each and every step explained carefully, without any assumption of previous experience. Style and approach The book will take a light approach in guiding the little readers

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through the world of Python. The main idea is to teach by example and let the readers have as much exercises to do, so that they learn faster and can apply their own ideas to the existing examples. The book should get them thinking, by the end, on where they can go next with such a powerful tool at their disposal.

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Impractical Python Projects is a collection of fun and educational projects designed to entertain programmers while enhancing their Python skills. It picks up where the complete beginner books leave off, expanding on existing concepts and introducing new tools that you'll use every

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day. And to keep things interesting, each project includes a zany twist featuring historical incidents, pop culture references, and literary allusions. You'll flex your problem-solving skills and employ Python's many useful libraries to do things like: - Help James Bond crack a high-tech safe with a hill-climbing

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algorithm - Write haiku poems using Markov Chain Analysis - Use genetic algorithms to breed a race of gigantic rats - Crack the world's most successful military cipher using cryptanalysis - Derive the anagram, "I am Lord Voldemort" using linguistical sieves - Plan your parents' secure retirement with Monte

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Carlo simulation - Save the sorceress Zatanna from a stabby death using palingrams - Model the Milky Way and calculate our odds of detecting alien civilizations - Help the world's smartest woman win the Monty Hall problem argument - Reveal Jupiter's Great Red Spot using optical stacking - Save the head

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of Mary, Queen of Scots
with steganography -
Foil corporate security
with invisible electronic
ink Simulate volcanoes,
map Mars, and more,
all while gaining
valuable experience
using free modules like
Tkinter, matplotlib,
Cprofile, Pylint,
Pygame, Pillow, and
Python-Docx. Whether
you're looking to pick

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up some new Python skills or just need a pick-me-up, you'll find endless educational, geeky fun with Impractical Python Projects.

The second edition of this best-selling Python book (100,000+ copies sold in print alone) uses Python 3 to teach even the technically

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Inclined 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

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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

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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

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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

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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-

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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,

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you can make your
computer do the grunt
work. Learn how in
Automate the Boring
Stuff with Python, 2nd
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