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Projects

9

Quizzes

1

Final Project

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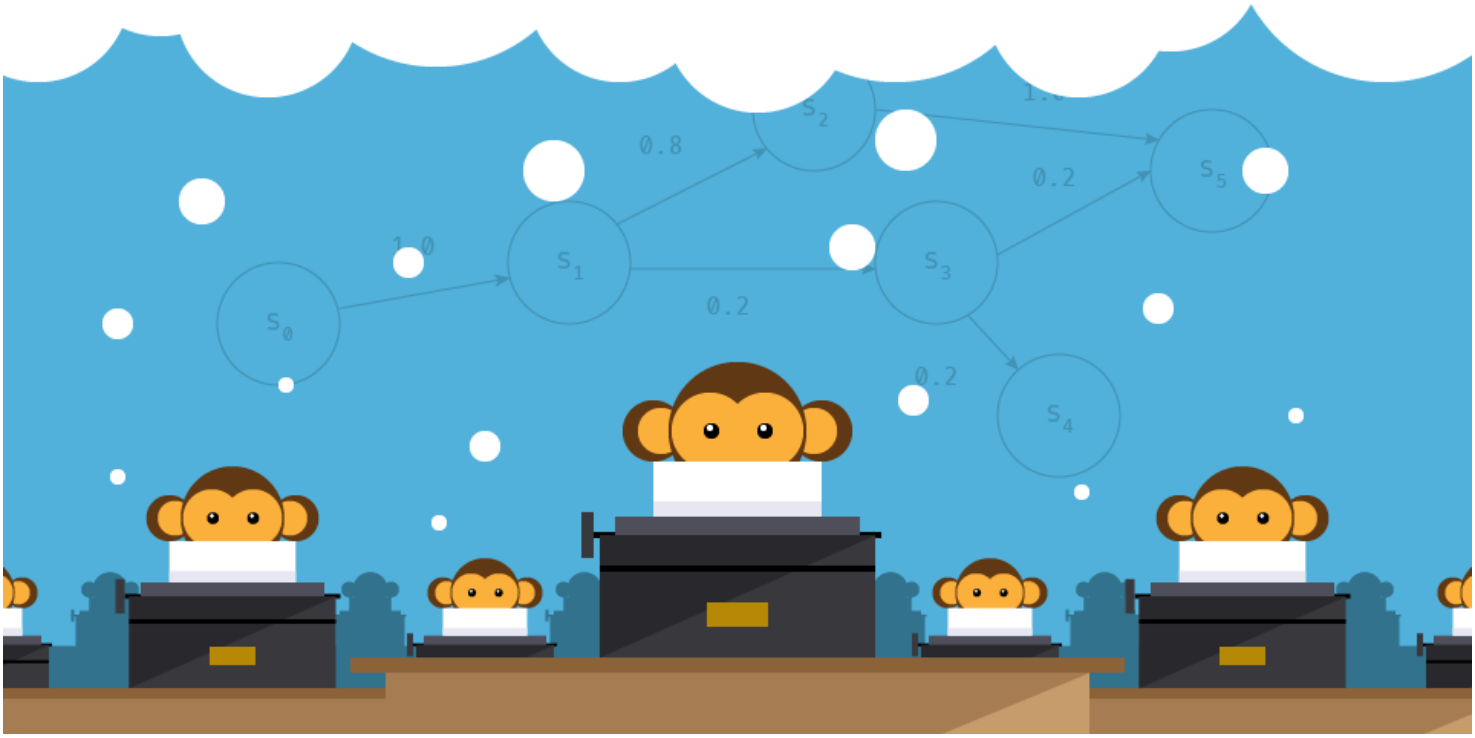
Overview Syllabus
1
Python Syntax
Python Syntax
Interactive Lesson
Tip Calculator
Interactive Lesson
PRO TRIAL
Python Syntax
Multiple Choice Quiz
External Resources
Built-in Python Types
25 mins read
Differences Between Compiled and Interpreted Languages
30 mins read
Python Basics
20 mins read
2
Strings and Console Output
Strings & Console Output
Interactive Lesson
Date and Time
Interactive Lesson
PRO
PRO
Strings and Console Output
Multiple Choice Quiz
PRO
PRO
Python Mad Libs
Freeform Project
External Resources

Python Strings
20 mins read
Basic String Operations
5 mins read
3
Conditionals and Control Flow
Conditionals & Control Flow
Interactive Lesson
PygLatin
Interactive Lesson
PRO
PRO
Conditionals and Control Flow
Multiple Choice Quiz
PRO
PRO
Area Calculator
Freeform Project
External Resources
Conditionals and Loops
25 mins read
Conditionals in Python
5 mins read
Booleans
10 mins read
4
Functions
Functions
Interactive Lesson
Taking a Vacation
Interactive Lesson
PRO
PRO
Functions
Multiple Choice Quiz
PRO
PRO
Number Guess
Freeform Project
External Resources
Functions Can Return Something
10 mins read
Intro to Functions
15 mins read
5
Lists & Dictionaries
Python Lists and Dictionaries
Interactive Lesson
A Day at the Supermarket
Interactive Lesson
PRO
PRO
Lists and Dictionaries
Multiple Choice Quiz
PRO
PRO
Rock, Paper, Scissors
Freeform Project
External Resources
Introduction to Python Lists
10 mins read
Dictionaries, Oh Lovely Dictionaries
15 mins read
6
Student Becomes the Teacher
Student Becomes the Teacher
Interactive Lesson
7
Lists and Functions
Lists and Functions
Interactive Lesson

Battleship!
Interactive Lesson
PRO
PRO
Lists and Functions
Multiple Choice Quiz
External Resources
Using Global Variables in Python
5 mins read
Differences Between Sets and Lists
5 mins read
8
Loops
Loops
Interactive Lesson
Practice Makes Perfect
Interactive Lesson
PRO
PRO
Loops
Multiple Choice Quiz
PRO
PRO
Command Line Calendar
Freeform Project
External Resources
Emulate a Do While Loop
5 mins read
For Else Loop
10 mins read
9
Exam Statistics
Exam Statistics
Interactive Lesson
10
Advanced Topics in Python
Advanced Topics in Python
Interactive Lesson
Introduction to Bitwise Operators
Interactive Lesson
PRO
PRO
RGB-HEX Converter
Freeform Project
External Resources
Binary
10 mins read
Binary and Pac-Man
6 mins read
Python: Lambda Functions
10 mins read
11
Introduction to Classes
Introduction to Classes
Interactive Lesson
Classes
Interactive Lesson
PRO
PRO
Introduction to Classes
Multiple Choice Quiz
PRO
PRO
Bank Account
Freeform Project
External Resources
Object Oriented Programming Definition
5 mins read
Modules Classes and Objects
10 mins read
12

File Input and Output
File Input/Output
Interactive Lesson
PRO
PRO
File Input and Output
Multiple Choice Quiz
PRO
PRO
DNA Analysis
Freeform Project
External Resources
What Are Buffers For?
5 mins read
Python Files
10 mins read
13
PYTHON FINAL PROJECT

o romeo, romeo!



In this project, you will leave Codecademy's learning environment to set up a development environment on your own computer. You will be able to apply your Python knowledge to build an application, test it, and run it. Be creative and show us what you come up with!

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