

Course Introduction

✓

Video: Specialization Introduction

6 min

✓

Video: Course Introduction

5 min

✓

Take a Minute to Set Yourself up for Success

15 min

✓

Reading: Welcome to the Course!

10 min

✓

Reading: Program Surveys

10 min

✓

Automation with Python Participant Entry Survey

15 min

✓

Discussion Prompt: Meet & Greet

5 min

Introduction to Programming

✓

Video: The Beginning of Your Programming Journey

2 min

✓

Video: What is programming?

2 min

✓

Video: What is automation?

2 min

✓

Video: Getting Computers to Work for You

3 min

✓

Discussion Prompt: Your Hopes for Automation

5 min

✓

Practice Quiz: Practice Quiz: Introduction to Programming

5 questions

Introduction to Python

✓

Video: What is Python?

3 min

✓

Reading: A Note on Syntax and Code Blocks

5 min

✓

Video: Why is Python relevant to IT?

4 min

✓

Reading: More About Python

10 min

✓

Video: Other Languages

3 min

✓

Practice Quiz: Practice Quiz: Introduction to Python

5 questions

Hello World

✓

Video: Hello, World!

2 min

✓

Video: Getting Information from the User

2 min

✓

Video: Python Can Be Your Calculator

2 min

✓

Reading: First Programming Concepts Cheat Sheet

10 min

✓

Practice Quiz: Practice Quiz: Hello World

5 questions

Module Review

✓

Video: First Steps Wrap Up

1 min

✓

Video: Meet Marga, the Curriculum Developer

1 min

✓

Quiz: Module 1 Graded Assessment

10 questions

✓

Discussion Prompt: Your First Programming Code

5 min

QUIZ • 50 MIN

✓

Congratulations! You passed!

TO PASS 80% or higher

Keep Learning

GRADE

90%

Module 1 Graded Assessment

LATEST SUBMISSION GRADE

90%

✓

Submit your assignment

DUE

May 24, 11:59 PM PDT

ATTEMPTS

4 every 8 hours

Try again

1.

What is a computer program?

1 / 1 point

✓

Correct

Right on! Being able to write such programs is a super useful skill that you'll acquire through this course.

Grade

90%

View Feedback

We keep your highest score

○

A file that gets printed by the Python interpreter.

○

The syntax and semantics of Python.

○

The overview of what the computer will have to do to solve some automation problem.

●

A step-by-step recipe of what needs to be done to complete a task, that gets executed by the computer.

👍

👎

📝

2.

What's automation?

1 / 1 point

✓

Correct

You got it! By replacing a manual step with an automatic one we create automation that helps us reduce unnecessary manual work.

○

The inputs and outputs of a program.

●

The process of replacing a manual step with one that happens automatically.

○

The checkout processes at a grocery store.

○

The process of getting a haircut.

3.

Which of the following tasks are good candidates for automation? Check all that apply.

0 / 1 point

☐

Writing a computer program.

☒

Creating a report of how much each sales person has sold in the last month.

✓

Correct

You nailed it! Creating reports based on data are a great example of things that can be automated.

☐

Setting the home directory and access permissions for new employees joining your company.

☐

Designing the new webpage for your company.

☐

Taking pictures of friends and family at a wedding.

☒

Populating your company's e-commerce site with the latest products in the catalog.

✓

Correct

Nice job! Automatically populating a website based on data is a great example of a task that can be automated.

You didn't select all the correct answers

4.

What are some characteristics of the Python programming language? Check all that apply.

1 / 1 point

☒

Python programs are easy to write and understand.

✓

Correct

Right on! Because the syntax used by Python is similar to the one used by the English language, Python programs are easy to write and understand.

☒

The Python interpreter reads our code and transforms it into computer instructions.

✓

Correct

You nailed it! We write our code using Python's syntax and semantics, and the interpreter transforms that into instructions that our computer executes.

☐

It's an outdated language that's barely in use anymore.

☒

We can practice Python using web interpreters or codepads as well as executing it locally.

✓

Correct

Awesome! We can practice writing Python code with many different tools available to us, both online and offline.

5.

How does Python compare to other programming languages?

1 / 1 point

○

Python is the only programming language that is worth learning.

●

Each programming language has its advantages and disadvantages.

○

It's always better to use an OS specific language like Bash or Powershell than using a generic language like Python.

○

Programming languages are so different that learning a second one is harder than learning the first one.

✓

Correct

Woohoo! Each language has its pros and cons. The best language to choose will depend on the problem you are trying to solve.

6.

Write a Python script that outputs "Automating with Python is fun!" to the screen.

1 / 1 point

1

print("Automating with Python is fun!")

Run

Reset

✓

Correct

Great work! You're getting the hang of it!

7.

Fill in the blanks so that the code prints "Yellow is the color of sunshine".

1 / 1 point

1

color = "Yellow"

2

thing = "sunshine"

3

print(color + " is the color of " + thing)

Run