

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

Module Review

PRACTICE QUIZ • 25 MIN

Congratulations! You passed!

TO PASS 80% or higher

Keep Learning

GRADE

80%

Practice Quiz: Introduction to Programming

Practice Quiz: Introduction to Programming

TOTAL POINTS 5

Submit your assignment

Resume

1. What's a computer program?

1 / 1 point

Receive grade

TO PASS 80% or higher

Grade

80%

View Feedback

We keep your highest score

- ☐ A set of languages available in the computer
- ☐ A process for getting duplicate values removed from a list
- ☒ A list of instructions that the computer has to follow to reach a goal
- ☐ A file that gets copied to all machines in the network



Correct

You nailed it! At a basic level, a computer program is a recipe of instructions that tells your computer what to do.

2. What's the syntax of a language?

1 / 1 point

- ☒ The rules of how to express things in that language
- ☐ The subject of a sentence
- ☐ The difference between one language and another
- ☐ The meaning of the words

Correct

Right on! In a human language, syntax is the rules for how a sentence is constructed, and in a programming language, syntax is the rules for how each instruction is written.

3. What's the difference between a program and a script?

1 / 1 point

- ☒ There's not much difference, but scripts are usually simpler and shorter.
- ☐ Scripts are only written in Python.
- ☐ Scripts can only be used for simple tasks.
- ☐ Programs are written by software engineers; scripts are written by system administrators.

Correct

You got it! The line between a program and a script is blurry; scripts usually have a shorter development cycle. This means that scripts are shorter, simpler, and can be written very quickly.

4. Which of these scenarios are good candidates for automation? Select all that apply.

0 / 1 point

- ☒ Generating a sales report, split by region and product type

Correct

Excellent! Creating a report that presents stored data in specific ways is a tedious task that can be easily automated.

- ☐ Creating your own startup company
- ☐ Helping a user who's having network troubles
- ☐ Copying a file to all computers in a company
- ☐ Interviewing a candidate for a job
- ☒ Sending personalized emails to subscribers of your website

Correct

Great job! Sending out periodic emails is a time-consuming task that can be easily automated, and you won't have to worry about forgetting to do it on a regular basis.

- ☐ Investigating the root cause of a machine failing to boot

You didn't select all the correct answers

5. What are semantics when applied to programming code and pseudocode?

1 / 1 point

- ☐ The rules for how a programming instruction is written
- ☐ The difference in number values in one instance of a script compared to another
- ☒ The effect the programming instructions have
- ☐ The end result of a programming instruction

Correct

Nice job! Like human language, the intended meaning or effect of words, or in this case instructions, are referred to as semantics.