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[Crash Course on Python](https://www.coursera.org/learn/python-crash-course/home/welcome)

[Week 1](https://www.coursera.org/learn/python-crash-course/home/week/1)

Practice Quiz: Introduction to Programming

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**PRACTICE QUIZ • 25 MIN**

**Practice Quiz: Introduction to Programming**

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**TO PASS**80% or higher

**Grade**

80%

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Practice Quiz: Introduction to Programming

Practice Quiz • 25 min

**Congratulations! You passed!**

**TO PASS**80% or higher

Keep Learning

**GRADE**

80%

**Practice Quiz: Introduction to Programming**

**TOTAL POINTS 5**

1.Question 1

What’s a computer program?

**1 / 1 point**



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.Question 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.Question 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.Question 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

**This should not be selected**

Not quite. Designing an automated process which can accurately troubleshoot a wide variety of problems is a highly complex operation, requiring very precise feedback as to the nature of the problem. Customer support is something that's best left to humans.



Copying a file to all computers in a company

**Correct**

Nice work! A task like copying files to other computers is easily automated, and helps to reduce unnecessary manual work.



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

5.Question 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.