

✔ Congratulations! You passed!

Grade received **100%** To pass 80% or higher

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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. 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.

1 / 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

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

5. What are semantics when applied to programming code?

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 intended meaning or logic of coded statements
- ☐ The end result of a programming instruction

✓ **Correct**

Nice job! The intended meaning or effect of coded statements are referred to as semantics.