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Practice Quiz: Introduction to Programming

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Practice Quiz: Introduction to Programming

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Practice Quiz: Introduction to Programming

Total points 5

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

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.

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.