QUIZ • 50 MIN

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Module 1 Graded Assessment

Module 1 Graded Assessment

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1. What is a computer program? **1 / 1 point**

- ○ 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.

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

2. What's automation? **1 / 1 point**

- ○ 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.

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

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- ☐ It's an outdated language that's barely in use anymore.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