What's automation?

 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.

1/1 point

✓ Correct

Nice job! Automatically populating a website based on data is a great example of a task that can be automated.

- 4. What are some characteristics of the Python programming language? Check all that apply.
  - 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.

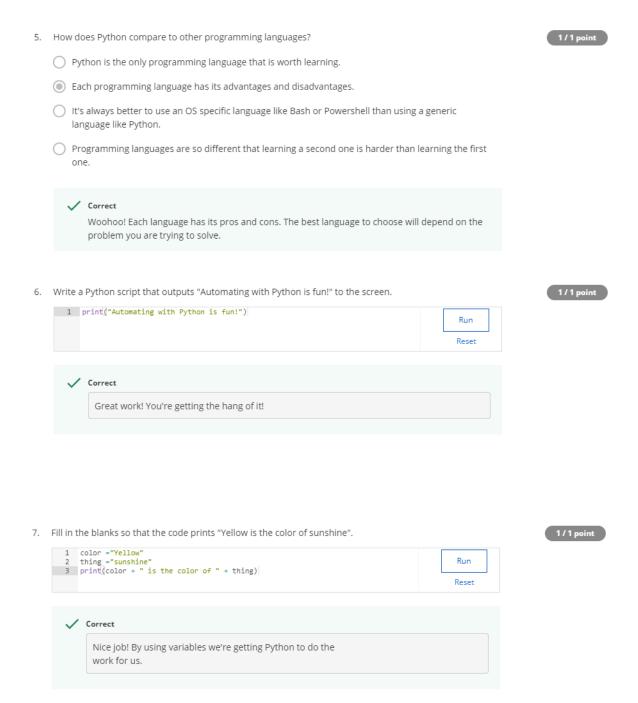
## ✓ Correct

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- It's an outdated language that's barely in use anymore.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

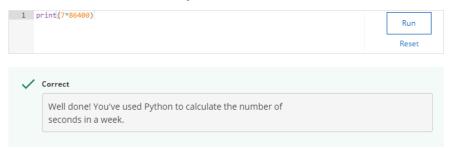
Awesome! We can practice writing Python code with many different tools available to us, both online and offline.



8. Keeping in mind there are 86400 seconds per day, write a program that calculates how many seconds there are in a week, if a week is 7 days. Print the result on the screen.

1 / 1 point

Note: Your result should be in the format of just a number, not a sentence.



9. Use Python to calculate how many different passwords can be formed with 6 lower case English letters. For a 1 letter password, there would be 26 possibilities. For a 2 letter password, each letter is independent of the other, so there would be 26 times 26 possibilities. Using this information, print the amount of possible passwords that can be formed with 6 letters.

1/1 point



10. Most hard drives are divided into sectors of 512 bytes each. Our disk has a size of 16 GB. Fill in the blank to calculate how many sectors the disk has.

1/1 point

Note: Your result should be in the format of just a number, not a sentence.

