

✔ Congratulations! You passed!

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higher

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1. A data team researches which programming language they can use to perform their coding work most effectively. They want a language that is easy to learn and has a supportive user community. Ultimately, they select Python. What are some other benefits of using Python for coding? Select all that apply.

1 / 1 point

☒ Python is based on simple syntax.

✔ Correct
Review [the video that introduces Python.](#)

☒ Python has thousands of open-source libraries.

✔ Correct

☒ Python is versatile.

✔ Correct
Review [the video that introduces Python.](#)

☐ Python is a low-level language.

2. Fill in the blank: The open-source web application _____ enables data professionals to modularize code into cells in order to organize them in sections, as well as collaborate on data projects and integrate code.

1 / 1 point

- ☐ Implicit analysis
☐ Dynamic coding
☒ Jupyter Notebook
☐ Dot notation

✔ Correct

3. Fill in the blank: In Python, a _____ is a function that belongs to a class and typically performs an action or operation.

1 / 1 point

- ☒ method
☐ cell
☐ string
☐ keyword

✔ Correct

4. Fill in the blank: _____ is the process of storing a value in a variable.

1 / 1 point

- ☒ Assignment
☐ Expression
☐ Conversion
☐ Syntax

✔ Correct

5. A data professional names a variable in Python, then receives an error message. What might they have included in the name incorrectly? Select all that apply.

1 / 1 point

☒ Reserved keywords

✔ Correct

☐ More than one number

☐ More than one underscore

☒ Reserved functions

✓ Correct

6. Which of the following is an effective variable name?

1 / 1 point

- ☒ `example_variable_5`
- ☐ `_for 5 variables`
- ☐ `variable()`
- ☐ `5_variables`

✓ Correct

7. In Python, which data type represents whole numbers without fractions?

0 / 1 point

- ☒ Float
- ☐ Integer
- ☐ String
- ☐ Boolean

✗ Incorrect

Review [the video about data types and conversions.](#) ↗

8. A data professional converts integers into strings using a predefined function. This is an example of what type of conversion?

1 / 1 point

- ☐ Mutable conversion
- ☐ Immutable conversion
- ☐ Implicit conversion
- ☒ Explicit conversion

✓ Correct