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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 a low-level language.
- ☒ 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.](#) 

2. Fill in the blank: The open-source web application _____ enables users to share documents containing live code, mathematical formulas, visualizations, and text. It also puts all output into a single document, which is very useful when first learning about programming.

1 / 1 point

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

 **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. In Python, what describes the process of storing a value in a variable?

1 / 1 point

- ☒ Assignment
- ☐ Syntax
- ☐ Expression
- ☐ Conversion

 **Correct**

5. A data professional names a variable in Python. To ensure they follow proper naming conventions, what may the variable name contain? Select all that apply.

1 / 1 point

- ☒ Underscores

 **Correct**

☐ Reserved keywords

☒ Numbers

✓ Correct

☒ Letters

✓ Correct

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

1 / 1 point

☐ 5_variables

☒ example_variable_5

☐ variable()

☐ _for 5 variables

✓ Correct

7. In Python, which data type represents numbers that contain decimals?

1 / 1 point

☐ Boolean

☐ Integer

☒ Float

☐ String

✓ Correct

8. A data professional converts floats 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