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1. A manager explores which programming language their team can use to perform coding work most effectively. They want a language with thousands of open-source libraries for reference. Ultimately, they select Python. What are some other benefits of using Python for coding? Select all that apply.

1 / 1 point

☑ Python has a large and supportive user community.

⊘ Correct

☐ Python is a low-level language.

☑ Python is versatile.

⊘ Correct
Review the video that introduces Python. ⤢

☑ Python is based on simple syntax.

⊘ Correct
Review the video that introduces Python. ⤢

2. Fill in the blank: The open-source web application _____ enables data professionals to create documents containing live code, mathematical formulas, visualizations, and text.

1 / 1 point

○ Dynamic coding
○ Implicit analysis
◉ 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

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.          0.75 / 1 point
    What might they have included in the name incorrectly? Select all that apply.

    ☑ Reserved keywords

    ⊘ Correct

    ☑ More than one number

    ⊗ This should not be selected
        Review the video about naming conventions and restrictions. ↗

    ☑ Reserved functions

    ⊘ Correct

    ☐ More than one underscore

6.  Which of the following is an effective variable name?                                         1 / 1 point

    ◯ `5_able_variables`
    ⦿ `able_variable`
    ◯ `able(variable)`
    ◯ `_able_int_variable`

    ⊘ Correct

7. In Python, which data type represents a sequence of characters and punctuation that contains textual information?    1 / 1 point

- ○ Float
- ○ Integer
- ● String
- ○ Boolean

✓ Correct

8. A data professional converts integers into strings using a predefined function. This is an example of what type of conversion?    1 / 1 point

- ○ Implicit conversion
- ● Explicit conversion
- ○ Immutable conversion
- ○ Mutable conversion

✓ Correct