

## Python basis : Quiz

Score: 12/13

1. What is the output of the following code? `x = 5 y = 3 print(x / y)`

## Explanation

The output of the code is 1.6666666666666667. When dividing 5 by 3, the result is a floating-point number.



2. Which of the following statements is true about Python?

## Explanation

Python is dynamically typed, meaning you don't have to declare the type of a variable when you create one.

3. What will be the value of 'result' after the following code? `x = 10 result = x if x > 5 else 0`

## Explanation

The value of 'result' will be 10, as the condition 'x > 5' is true, so 'result' will be assigned the value of 'x' which is 10.



4. Which of the following is a correct way to comment multiple lines in Python?

## Explanation

Using triple quotes ("''") allows multi-line comments in Python.





5. What will the following code print? `print(3 * 'abc')`

6

abcbcabcbcabcbcabcb

abcbcabcb

abc

#### Explanation

The code prints 'abcbcabcb'. When a number is multiplied by a string, the string is repeated that many times.



6. How do you start the Python interpreter?

start python

run python

python

execute python

#### Explanation

Typing 'python' in the command line or terminal will start the Python interpreter.



7. Which of the following is a core data type in Python?

String

Tuple

List

Dictionary

#### Explanation

List is one of the core data types in Python used to store multiple items in a single variable.



8. What will the 'len' function return for the list `[1, 2, 3, 4, 5]`?

4

5

6

1, 2, 3, 4, 5

#### Explanation

The 'len' function returns the number of elements in a list. Therefore, it will return 5 for the given list.



9. What is the keyword used for defining a function in Python?

#### Explanation

The 'def' keyword is used to define a function in Python.



10. What will the following code snippet output? `print(2 < 5 and 3 > 1)`

#### Explanation

The 'and' operator returns True if both the conditions are true. In this case, both the conditions (`2 < 5` and `3 > 1`) are true, so the output will be True.



11. What is the output of the following code snippet? `print('hello'.upper())`

#### Explanation

The 'upper' function converts a string to uppercase. Therefore, the output of the code will be 'HELLO'.



12. Which of the following is not a valid variable name in Python?

#### Explanation

Variable names cannot start with a number in Python.



13. What does the 'pass' statement do in Python?

Exits the loop

Skips the current iteration

Continues to the next iteration

Does nothing

#### Explanation

The 'pass' statement is a null operation; nothing happens when it executes. It is used as a placeholder in situations where code is required syntactically, but no action is necessary.