

Quiz Review: Basic Python Programming

1. What is the output of `print(2 ** 3)`?

- A) 5
- B) 6
- C) 8
- D) 9

Your Answer: C

Correct Answer: C

Explanation:

The `**` operator performs exponentiation. $2 ** 3 = 8$.

2. Which of the following is a valid Python variable name?

- A) 2name
- B) my-name
- C) _username
- D) class

Your Answer: C

Correct Answer: C

Explanation:

Valid variable names can't start with a number or use hyphens. 'class' is a reserved keyword.

3. What does the `'len()'` function do?

- A) Returns the type
- B) Returns the value
- C) Returns the memory size
- D) Returns the length

Your Answer: D

Correct Answer: D

Explanation:

`len()` returns the number of items in a container.

4. What is the output of: `print('Hello' + 'World')`?

- A) Hello World
- B) Hello+World
- C) HelloWorld
- D) Hello World!

Your Answer: B

Correct Answer: C

Explanation:

The + operator concatenates strings. 'Hello' + 'World' = 'HelloWorld'.

5. Which keyword is used for function creation in Python?

- A) define
- B) function
- C) def
- D) fun

Your Answer: C

Correct Answer: C

Explanation:

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

6. Which of the following is an immutable data type?

- A) List
- B) Dictionary
- C) Set
- D) Tuple

Your Answer: C

Correct Answer: D

Explanation:

Tuples are immutable — once created, their elements can't be changed.

7. What will be the output of `print(bool('False'))`?

- A) True
- B) False
- C) None
- D) Error

Your Answer: A

Correct Answer: A

Explanation:

Non-empty strings are truthy, so 'False' as a string evaluates to True.

8. What does the 'break' statement do?

- A) Skips iteration
- B) Stops the loop

- C) Restarts loop
- D) Pauses loop

Your Answer: B

Correct Answer: B

Explanation:

The 'break' statement immediately exits the loop.

9. Which one of these is a Python loop structure?

- A) repeat
- B) foreach
- C) loop
- D) while

Your Answer: A

Correct Answer: D

Explanation:

'while' is a valid loop structure in Python.

10. What will be the result of: `type([])`?

- A) list
- B) <class 'list'>
- C) array
- D) collection

Your Answer: A

Correct Answer: B

Explanation:

`type([])` returns the class type, which is <class 'list'>.
