

For all MCQ questions, highlight your answer (highlight the letter and the value of that letter)

1. Which of the following is used to define a block of code in Python?

- a) Parentheses
- b) Brackets
- c) Indentation
- d) Curly braces

2. What is the correct syntax to output "Hello World" in Python?

- a) `print("Hello World")`
- b) `echo("Hello World")`
- c) `console.log("Hello World")`
- d) `printf("Hello World")`

3. What is the correct way to create a function in Python?

- a) `function myFunction():`
- b) `def myFunction():`
- c) `create myFunction():`
- d) `func myFunction():`

4. Which of the following is not a valid Python data type?

- a) list
- b) int
- c) tuple
- d) real

5. What is the output of the following code?

```
print(2 * 3 ** 2)
```

- a) 36

- b) 12
- c) 18
- d) 9

6. How do you insert comments in Python code?

- a) `// This is a comment`
- b) `/* This is a comment */`
- c) `<!-- This is a comment -->`
- d) `# This is a comment`

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

- a) tuple
- b) int
- c) list
- d) string

8. How do you create a list in Python?

- a) `list = {}`
- b) `list = []`
- c) `list = ()`
- d) `list = <>`

9. What will be the output of the following code?

```
x = [1, 2, 3, 4]
print(x[1:3])
```

- a) [1, 2, 3]
- b) [2, 3]
- c) [1, 3]
- d) [2, 4]

10. What does the len() function do in Python?

- a) Returns the number of elements in a list
- b) Returns the last element of a list
- c) Returns the largest element in a list
- d) Returns the type of an element in a list

11. Why is object oriented programming (OOP) a common coding practice? (Type your answer below)

Ans:

12. Why should some attributes in classes be kept private, others kept protected and the rest as public? (Type your answer below)

Ans:

End of Assignment.