

Section 1: Multiple Choice Questions (MCQs)

- 1. What is the purpose of a programming language?
 - o a) To make coffee
 - b) To communicate with computers
 - o c) To paint pictures
 - o d) To browse the internet
- 2. Which of the following is a Python variable naming convention?
 - o a) Variable names can start with a number
 - o b) Variable names can contain spaces
 - C) Variable names are case-sensitive
 - d) Variable names cannot include underscores
- 3. What does the print() function do in Python?
 - o a) Saves a file
 - o b) Displays output to the screen
 - o c) Takes user input
 - o d) Terminates the program
- 4. What is the correct syntax to take user input in Python?
 - a) input("Enter your name:")
 - b) scan("Enter your name:")
 - o c) read("Enter your name:")
 - d) get("Enter your name:")
- 5. Which of the following is used for loops in Python?
 - o a) for
 - o b) while
 - o c) Both a and b
 - o d) None of the above
- 6. What symbol is used to indicate a comment in Python?
 - o a) //
 - o b) /* */
 - o c)#
 - o d) --



- 7. Which data type is used to store a sequence of characters in Python?
 - o a) int
 - o b) float
 - o c) string
 - o d) boolean
- 8. What keyword is used to define a function in Python?
 - o a) define
 - o b) func
 - o c) def
 - o d) function
- 9. What will len([1, 2, 3, 4]) return?
 - o a) 3
 - o b) 4
 - o c) 5
 - o d) Error
- 10. How do you create an infinite loop in Python?
 - o a) while True:
 - o b) for i in range(1000000):
 - o c) while (i < 10):
 - o d) loop forever:
- 11. What will be the output of print(3 * "abc")?
- a) abcabcabc
- b) abc*3
- c) abc abc abc
- d) Error
- 12. Which of the following statements about Python lists is true?
- a) Lists are immutable
- b) Lists can store different data types
- c) Lists must have unique elements
- d) Lists cannot be modified once created



13. What will bool([]) return?

- a) True
- b) False
- c) None
- d) Error

14. How do you correctly open a file named data.txt for writing in Python?

- a) open("data.txt", "r")
- **b)** open("data.txt", "w")
- c) open("data.txt", "a")
- d) open("data.txt", "x")

15.What does list(range(3)) return?

- a) [0, 1, 2]
- b) [1, 2, 3]
- c) [0, 1, 2, 3]
- d) range(3)