

## Chapter-10

### Loops, Functions, and Strings in Python

#### **Section A: Fill in the Blanks**

1. A \_\_\_\_\_ is a block of code that is executed multiple times in a program.
2. The \_\_\_\_\_ loop is used when the number of iterations is known in advance.
3. The \_\_\_\_\_ statement is used to terminate a loop immediately.
4. The \_\_\_\_\_ statement is used to skip the current iteration and continue with the next one.
5. A \_\_\_\_\_ is a sequence of characters enclosed in single or double quotes.

#### **Section B: True or False**

1. The for loop is used when the number of iterations is unknown. **(True/False)**
2. The break statement terminates the entire loop. **(True/False)**
3. The pass statement is used to create a placeholder for future code. **(True/False)**
4. Strings in Python are immutable. **(True/False)**
5. The len() function returns the number of characters in a string. **(True/False)**

#### **Section D: Multiple Choice Questions**

1. Which of the following is used to define a function in Python?
  - a) func
  - b) def
  - c) function
  - d) define
2. Which of the following statements is used to terminate a loop immediately?
  - a) continue
  - b) break

- c) pass
  - d) return
3. Which of the following is NOT a valid string operation in Python?
- a) Concatenation
  - b) Repetition
  - c) Subtraction
  - d) Slicing
4. Which of the following is used to skip the current iteration and continue with the next one?
- a) break
  - b) continue
  - c) pass
  - d) return
5. Which of the following is a built-in function in Python?
- a) len()
  - b) print()
  - c) input()
  - d) All of the above
6. Which of the following is used to create a multiline string in Python?
- a) Single quotes
  - b) Double quotes
  - c) Triple quotes
  - d) Backticks
7. Which of the following is true about the while loop?
- a) It executes a block of code a fixed number of times.
  - b) It continues to execute as long as the condition is true.
  - c) It is used to define a function.
  - d) It is used to concatenate strings.

8. Which of the following is used to return a value from a function?

- a) break
- b) continue
- c) pass
- d) return