

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