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

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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.

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

a) break

b) continue

c) pass

d) return

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