

Worksheet – Chapter 6: Looping Statements in Python

Multiple-choice questions

1. A loop that repeats a block of code a specific number of times is _____.
a) while loop b) for loop c) repeat loop d) if loop
2. The keyword used to stop a loop immediately is _____.
a) stop b) break c) exit d) quit
3. The _____ statement is used to skip the rest of the loop and continue with the next iteration.
a) continue b) break c) stop d) pass
4. A loop inside another loop is called a _____.
a) double loop b) nested loop c) inner loop d) stacked loop
5. The range(5) function generates _____ values.
a) 1 to 5 b) 0 to 5 c) 0 to 4 d) 1 to 4

Fill in the blanks

1. A _____ is used when we want to repeat a block of code multiple times.
2. The _____ loop repeats code as long as a condition remains true.
3. The _____ function is used to generate a sequence of numbers.
4. The break statement _____ the loop instantly.
5. The _____ statement skips the remaining code inside the loop for that iteration.

True/False

1. The 'for' loop in Python is used to iterate over sequences. (True/False)
2. The 'while' loop always runs a fixed number of times. (True/False)
3. break statement exits the loop. (True/False)
4. continue statement stops the whole program. (True/False)
5. Nested loops allow a loop inside another loop. (True/False)

Match the following

- A. for loop 1. Exits loop completely

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|----------------|----------------------------|
| B. while loop | 2. Skips current iteration |
| C. break | 3. Used with sequences |
| D. continue | 4. Uses a condition |
| E. nested loop | 5. Loop inside a loop |

Short answer questions

1. What is a loop in Python?
2. Differentiate between 'for' and 'while' loop.
3. What is the purpose of the break statement?
4. What does the continue statement do?
5. Write an example of a simple for loop.