1. Create a tuple with numbers 1, 2, 3, 4, 5 and print its length.
2. How do you access the 3rd element from the tuple (10, 20, 30, 40, 50)?
3. Write Python code to slice a tuple (1, 2, 3, 4, 5, 6) to get (3, 4, 5).
4. Can you change the 2nd element of a tuple (100, 200, 300)? Why or why not?
5. Write code to check whether 50 exists in the tuple (10, 20, 30, 40, 50).
6. Concatenate two tuples (1, 2, 3) and (4, 5, 6).
7. Repeat the tuple (7, 8) three times.
8. Find the index of element 25 in (10, 20, 25, 30, 25, 40).
9. Count how many times 5 appears in (5, 10, 15, 5, 20, 5).
10. Write a program to convert a tuple (1, 2, 3) into a list, append 4, and convert back to a tuple.
11. Access the value 20 from the tuple (10, (20, 30), 40).
12. Swap two variables using tuple unpacking: a = 5, b = 10.
13. Given a tuple ("Alice", 25, "Engineer"), unpack and print values with labels like Name: Alice.
14. Sort the tuple (5, 2, 9, 1) in ascending order (hint: convert to list first).
15. Given two lists ["a", "b", "c"] and [1, 2, 3], create a list of tuples like [("a",1), ("b",2), ("c",3)].
16. You have a tuple of student marks (85, 92, 78, 90). Find the maximum and minimum marks.
17. Write a program to check if a tuple is empty.
18. Given a dictionary {"a": 1, "b": 2}, convert it into a list of tuples [("a", 1), ("b", 2)].
19. Given a list of tuples [("John", 90), ("Emma", 85), ("Bob", 95)], sort by marks in descending order.
20. Write Python code to return the sum of all numbers in the tuple (1, 2, 3, 4, 5).