

Assignment 5

[List, Tuple, If-else, Function, Loop]

1. Write a Python program to sum all the items in a list.
2. Write a Python program to find the largest number in a list.
3. Write a Python program to find the smallest number in a list.
4. Write a Python program to count the number of elements in a list.
5. Write a Python program to remove duplicates from a list.
6. Write a Python program to check if a list is empty or not.
7. Write a Python program to find the length of a tuple.
8. Write a Python program to find the largest number in a tuple.
9. Write a Python program to find the smallest number in a tuple.
10. Write a Python program to count the number of elements in a tuple.
11. Write a Python program to check if a tuple is empty or not.
12. Write a Python program to check if a given element exists in a list.
13. Write a Python program to check if a given element exists in a tuple.
14. Write a Python program to check if a given key exists in a dictionary.
15. Write a Python program to find the sum of all even numbers in a list.
16. Write a Python program to find the sum of all odd numbers in a list.
17. Write a Python program to find the factorial of a number using recursion.
18. Write a Python program to find the factorial of a number using a loop.
19. Write a Python program to check if a number is prime or not.
20. Write a Python program to find the Fibonacci series up to n terms.
21. Write a Python program to find the GCD of two numbers.
22. Write a Python program to find the LCM of two numbers.
23. Write a Python program to reverse a list.
24. Write a Python program to sort a list in ascending order.
25. Write a Python program to sort a list in descending order.