**\*\*\* LIST \*\*\***

1. Write a Python program to sum all the items in a list.

2. Write a Python program to get the largest number from a list.

3. Write a Python program to get the smallest number from a list.

4. Write a Python program to count the number of strings where the string length is 2 or more and the first and last character are same from a given list of strings.

Sample List : ['abc', 'xyz', ‘madam’, 'aba', ‘pq’, ‘z’, '1221']

Expected Output: 3

5. Write a Python program to remove duplicates from a list.(Using SET and without using SET)

6. Write a Python program to find the list of words that are longer than n from a given list of words.

7. Write a Python program to append a list to the second list.(Using built-in function and without using built-in function)

8. Write a Python program to check whether a list contains a sub-list.

9. Write a Python program to multiplies all the items in a list.

**Sample Input:** lst = [3, 2, -1, 5, -4]

**Output :** Multiplication = 120

10. Write a Python program to check a list is empty or not.

11. Write a Python program to clone or copy a list.

12. Write a Python function that takes two lists and returns **True** if they have at least one common member.(Using SET and without using SET)

13. Write a Python program to print the numbers of a specified list after removing even numbers from it.

14. Write a Python program to get the difference between the two lists. (Using SET and without using SET)

**EXAMPLE :**

**Assume below mentioned two lists :**

a = [1, 2, 3, 5]

b = [1, 2]

**OUTPUT :**

lst\_diff = [3, 5]

15. Write a Python program to convert a list of characters into a string.

**Sample Input :** lst = [‘P’, ’u’, ’n’, ’e’]

**Output :** Pune

16. Write a Python program to find the second largest number in a list.

17. Write a Python program to find common items from two lists.(Using SET and without using SET)

**EXAMPLE :**

**Assume below mentioned two lists :**

a = [1, 2, 3, 5]

b = [1, 2]

**OUTPUT : Common\_items** = [1,2]

18. Write a Python program to insert an element before each element of a list.

**Sample List:** [‘Red’, ‘Green’, ‘Black’]

**Output:** [‘C’, ‘Red’, ’C’, ‘Green’, ‘C’, ‘Black’]

19. Write a Python program to Interchange First and Last Element of a List.

**Sample List:** [1, 29, 51, 7, 23]

**Expected Output:** [23, 29, 51,7, 1]

Q20. Write a Python program to Merge two lists. (Using Built-in function and without using Built-in functions)

Q21. Write a Python program to check if the given list is in Ascending Order or not.

Q22. Program to Get Data Items from a List Appearing Odd Number of Times.

**Assume** **lst = [1,2,3,4,5,1,3,3,4]**

**Expected Output: [2, 3, 5]**

Q23. Write a Python program to create a list of tuples with the first element as the number and second element as the square of the number.

**Expected Output: [(1,1),(2,4),(3,9),(4,16)]**

Q24. Create a list a = [1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89] and write a python program that prints out all the elements of the list having value less than 5.

Q25. Write a program to implement the concept of queue using list.

Q26. Write a program to implement the concept of stack using list.