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

1. 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’]

1. Write a Python program to Merge two lists. (Using Built-in function and without using Built-in functions)
2. 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.
3. 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', 'aba', '1221']

Expected Output: 2

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

given list of words.

1. Write a Python program to append a list to the second list. (Using built-in

function and without using built-in function)

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

8. Write a Python program to print the numbers of a specified list after removing

even numbers from it.

9. Write a Python program to get the difference between the two lists.

EXAMPLE :

Assume below mentioned two lists :

a = [1, 2, 3, 5]

b = [1, 2]

OUTPUT :

lst\_diff = [3, 5]

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

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

Output **:** Pune

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

12. Write a Python program to find common items from two lists.

EXAMPLE :

Assume below mentioned two lists :

a = [1, 2, 3, 5]

b = [1, 2]

OUTPUT : Common\_items = [1,2]

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

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

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

16. Write a program to print index at which a particular value exists. In the value exists at multiple locations in the list then print all the indices. Also count the number of times that value is repeated in the list.

17. Write a program that creates a list of words by combining the words in two individual lists.

Example L1= [“Hello”, “World”]

L2= [“Python”, “Programming”]

Output L3= [“Hello Python”, “Hello Programming”, “World Python”, “World

Programming”]

18. Write a program to generate Fibonacci sequence for n terms and store it in a

list.

19. Write a program to add two matrices (Using nested lists).

20. Write a program to remove all duplicates from a list.