Experiment 5 : Programs demonstrating the Concept of Lists

Program 1: Create list, change one element, display length of list.

Program 2: Create a list, append two elements in it.

Program 3: Create a list and sort it.

Program 4: Create a list of numbers and print the sum of all elements.

Program 5: Compare the elements of two lists

Program 6: Find the maximum and minimum from elements of list

Program 7: Count occurrence of an element in the list.

Program 8: Reverse a List

Program 9: Write a loop that traverses the previous list and prints the length of each element.

Program 10 : Program that reads in numbers separated by a space in one line and display distinct numbers.
For example:
Input: 1 1 1 1 1 2 2 2
Output: 1 2

Program 11: Write a User defined function to find the index of the smallest element in a list of integers.

Program 12: User defined function that reads some integers b/w 1 to 20 and counts the occurrences of each.
SAMPLE:
Input: 2 5 2 5 8 8 10 8 2 4 4 5 2
Output: 2 occurs 4 times
5 occurs 3 times
8 occurs 3 times
10 occurs 1 times
4 occurs 2 times

Program 13: Compute the standard deviation and mean of numbers in a list