

### **Assignment for 12.4.23**

1. Write a LISP program to determine whether in a list, the first two elements are same.
2. Write a LISP program that checks whether a list does not contain exactly two elements.
3. Write a LISP program to determine length of a list. Hence, determine whether the two lists are of same length.
4. Write a LISP program to find the last element of a list.
5. Write a LISP program to check whether two elements are consecutive elements in a list.
6. Write a LISP program to determine whether an element is a member of a list.
7. Write a LISP program to append two lists to generate a 3rd list.
8. Write a LISP program to accept a list. Split it into two lists depending on whether the elements are odd or even.
9. Write a LISP program to reverse a list.
10. Write a LISP program to determine whether a list is a palindrome.