# **Assignment 13**

**Write a program in PROLOG to implement palindrome (L) which checks whether a list L is a palindrome or not.**

start:-write('Checking Palindrome list\n'),

write('Enter a list: '),

read(L),

palindrome(L),

write('List is a Palindrome');

write('List is not a Palindrome'),fail.

equal([],[]):-true.

equal([H1|\_],[H2|\_]):-false.

equal([H1|T1],[H1|T2]):-equal(T1,T2).

palindrome(L):-reverse(L,R),equal(L,R).

**Output**

