# **Assignment 20**

**Write a Program in PROLOG to implement sublist(S, L) that checks whether the list S is the sublist of list L or not. (Check for sequence or the part in the same order).**

start:-

start:-write('Sublist\n'),

write('Enter a list: '),

read(L),

write('Enter a sublist: '),

read(S),

sublist(S,L),

write('The sublist exists in the given list');

write('Sublist does not exist in the given list'),fail.

sublist([],L):-true.

sublist(S,[]):-false.

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

sublist([H1|T1],[H2|T2]):- sublist([H1|T1],T2).

**Output**

