# **Assignment 18**

**Write a Prolog program to implement maxlist(L, M) so that M is the maximum number in the list**

start:-write('Maximum of a list\n'),

write('Enter a list: '),

read(L),

maxlist(L,M),

write('Maximum of the list is: '),

write(M).

maxlist([],'NA (Empty list)'):-!.

maxlist([X],X):-!.

maxlist([H|T],M):-maxlist(T,M1),(H>M1->M is H;M is M1).

**Output**

