# **Assignment 7**

**Prolog program to implement multi (N1, N2, R) : where N1 and N2 denotes the numbers to be multiplied and R represents the result.**

start:-write('Multiplication of two numbers\n'),

write('Enter a number: '),

read(N1),

write('Enter a number: '),

read(N2),

multi(N1,N2,R),

write('Product: '),

write(R).

multi(X,0,0).

multi(X,Y,Z):-Y>0,Y1 is Y-1,multi(X,Y1,Z1),Z is X+Z1.

multi(X,Y,Z):-Y<0,Y1 is Y+1,multi(X,Y1,Z1),Z is Z1-X.

**Output**

