# Assignment 6

# Write a Prolog program to implement power (Num,Pow, Ans) : where Num is raised to the power Pow to get Ans.

start:-write('Power of a number\n'),

write('Enter a number: '),

read(NUM),

write('Enter power: '),

read(POW),

power(NUM,POW,ANS),

write('Result: '),

write(ANS).

power(X,0,1).

power(X,1,X).

power(X,Y,Z):-Y>1,Y1 is Y-1,power(X,Y1,Z1),Z is X\*Z1.

**Output**

