# WAP to find X^Y( X to the Power Y) Using Recursion in C Language

#include <stdio.h>

int power(int , int ) ;

int main()

{

int x, y, result;

printf("Enter x number: ");

scanf("%d", &x);

printf("Enter power number y: ");

scanf("%d", &y);

result = power(x, y);

printf("power= %d", result);

return 0;

}

int power(int x, int y)

{

int result;

if (y== 0)

return 1;

else

{

result= (x \* power(x, y - 1));

return result;

}

}