/\*in this video we are going to find factorial of number using iteration method

iteration means repetition using for loop or any other loop

so what is factorial

example 5!=5\*4\*3\*2\*1 in this we have started from nth number and end at 1

or you can say that we have start multiplying from 1 and till nth number which is 5 here

so lets do it \*/

#include <stdio.h>

int main(){

    int i,factorial=1,n;

    printf("enter the number:");

    scanf("%d",&n);

    if(n==0){

        printf("1");//as 0!=1

    }

    else{

        for(i=1;i<=n;i++){

            factorial = factorial\*i;

        }

        printf("factorial of %d nuber is %d",n,factorial);

    }

    return 0;//as it is int function so it will return 0;

}