#include<stdio.h>//standard input output header file//  
int fact();//initializing the factorial function//  
int main()//main function//  
{  
   int x,y;//initializing the x,y variables//  
   printf("enter the number\n");//prints the number//  
   scanf("%d",&y);//scans the number//  
   x=fact(y);//initializing the value of x to the fact(y)//  
   printf("the factorial value is %d\n",x);//printing the result//  
   return 0;  
}  
int fact(int y)  
{  
   if(y==0||y==1)//checks the condition//  
   return 1;  
   else  
   return y\*fact(y-1);//executes the form//  
}