**/\*Write a recursive program to find factorial of a given number \*/**

**#include <iostream>**

**using namespace std;**

**int fact(int n)**

**{**

**if ((n==0)||(n==1))**

**return 1;**

**else**

**return n\*fact(n-1);**

**}**

**int main()**

**{**

**int n;**

**cout<<"Enter n: ";**

**cin>>n;**

**cout<<"Factorial of "<<n<<" is "<<fact(n);**

**return 0;**

**}**

**/\*Write a recursive program to find factorial of a given number\*/**

**#include<iostream>**

**using namespace std;**

**class factorial**

**{**

**public:**

**unsigned long long int fact(int n)**

**{**

**if(n==1)**

**{**

**return 1;**

**}**

**else**

**{**

**return n\*fact(n-1);**

**}**

**}**

**};**

**int main()**

**{**

**int number;**

**cout<<"Enter any integer:\t";**

**cin>>number;**

**factorial f;**

**cout<<endl<<"Factorial of "<<number<<" is "<<f.fact(number);**

**}**

**/\*Write a recursive program to find factorial of a given number \*/**

**#include<iostream>**

**using namespace std;**

**int factorial(int);**

**int main()**

**{**

**int n, result;**

**cout << "Enter a number: ";**

**cin >> n;**

**if(n<0)**

**{**

**cout<<"Error";**

**return 0;**

**goto D;**

**}**

**cout<<n;**

**result = factorial(n);**

**cout <<endl<< "Factorial of " << n << " = " << result;**

**D:**

**return 0;**

**}**

**int factorial(int n)**

**{**

**if (n > 1)**

**{**

**cout<<" \* "<<(n - 1);**

**return n \* factorial(n - 1);**

**}**

**else**

**{**

**return 1;**

**}**

**}**

**/\*Write a recursive program to find factorial of a given number \*/**

**#include <iostream>**

**using namespace std;**

**long long factorial (int number)**

**{**

**if (number == 1)**

**return 1;**

**else**

**return number \* factorial(number - 1);**

**}**

**int main()**

**{**

**int number;**

**cout << "Enter the number : ";**

**cin >> number;**

**long long result = factorial(number);**

**cout << "Factorial of " << number << " is : " << result << endl;**

**}**