

```

/*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;
}
```