

```

1  #include<iostream>
2  using namespace std;
3  class factorial
4  {
5  private:
6      int n,f=1;
7  public:
8      void input();
9      void calc();
10     void display();
11 };
12 void factorial::input()
13 {
14     cout<<endl<<"Enter any number : ";
15     cin>>n;
16 }
17 void factorial::calc()
18 {
19     int i;
20     if(n==0||n==1)
21         f=n;
22     else
23     {
24         for(i=1;i<=n;i++)
25             f*=i;
26     }
27 }
28 }
29 void factorial::display()
30 {
31     cout<<"\nFactorial of "<<n<<" is : "<<f<<endl;
32 }
33 int main ()
34 {
35     factorial f;
36     f.input();
37     f.calc();
38     f.display();
39     return 0;
40 }
41

```