

```
1: /*---Factorial of n----*/
2:
3: #include<iostream>
4: using namespace std;
5:
6: long long fact(int n)
7: {
8:     long long factorial = n;
9:     for(int i = 1; i < n; i++)
10:         factorial *= i;
11:     return factorial;
12: }
13:
14: int main()
15: {
16:     int n;
17:     cout << "Enter your number:\n";
18:     cin >> n;
19:
20:     cout << "Factorial of " << n;
21:     cout << " is" << fact(n);
22:
23:     return 0;
24: }
```