

```
1  #include <iostream>
2
3  using namespace std;
4  int factorial (int n)
5  {
6      if (n<1) return 1; // stopping condition
7      else
8          return n * factorial(n-1) ;// Recursive statement
9  }
10
11 int main()
12 {
13     int n ; cin >> n ;
14     cout << factorial(n) << endl ;
15     return 0;
16 }
17
```