Square and Factorial Function

```
1  // Square And Factorial Function
2
3  #include<iostream>
4
5  using namespace std;
6
7  int square(int n)
8  {
9      int ans;
10
11     ans = n * n;
12
13     return ans;
14 }
15
16 int factorial(int n)
17 {
18     int ans = 1;
19
20     for(int i = 1; i <= n; i++)
21     {
22         ans *= i;
23     }
24
25     return ans;
26 }
27
28 int main()
29 {
30     cout << "Number" << "\t" << "Square" << "\t" << "Factorial"
           << endl;
31
32     for(int i = 1; i <= 10; i++)
33     {
34         cout << i << "\t";
35         cout << square(i) << "\t";
36         cout << factorial(i) << "\t";
37         cout << endl;
38     }
39
40     return 0;
41 }
```

Output

```
1  Number  Square  Factorial
2  1   1   1
3  2   4   2
4  3   9   6
5  4   16  24
6  5   25  120
```

```
7    6   36  720
8    7   49  5040
9    8   64  40320
10   9   81  362880
11   10  100 3628800
```