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main.cpp

```
1 #include<iostream>
2 using namespace std;
3
4 int factorial(int n);
5
6 int main() {
7
8     int n;
9
10    cout << "Enter a positive integer: ";
11    cin >> n;
12
13    cout << "Factorial of " << n << " = " << factorial(n);
14
15    return 0;
16 }
17
18 int factorial(int n) {
19     if(n > 1)
20         return n * factorial(n - 1);
21     else
22         return 1;
23 }
24
25
```

Input

Enter a positive integer: 5
Factorial of 5 = 120
...Program finished with exit code 0
Press ENTER to exit console

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