Factorial in C++

```
#include <iostream>
using namespace std;

int fact(int n) {
    if (n == 0) {
        return 1;
    } else {
        int prev = fact(n - 1);
        return n * prev;
    }
}

int main() {
    cout << fact(6) << endl;
    return 0;</pre>
```

Dry Run Table for fact(6):

Call Level	n	Recursive Call	Returned Value	Computation
1	6	6 * fact(5)	720	6 * 120
2	5	5 * fact(4)	120	5 * 24
3	4	4 * fact(3)	24	4 * 6
4	3	3 * fact(2)	6	3 * 2
5	2	2 * fact(1)	2	2 * 1
6	1	1 * fact(0)	1	1 * 1
7 (Base)	0	return 1	1	Base case hit

⚠ Final Output:

720

Output:-720