

practice01.cpp > main()

```
1  #include <iostream>
2  using namespace std;
3  int powSum(int n) {
4      if(n==0) return 0;
5      return (n*n) + powSum(n-1);
6  }
7
8  int main() {
9      int n;
10     cin >> n;
11     cout << powSum(n) << endl;
12     return 0;
13 }
```

PROBLEMS OUTPUT TERMINAL ...

zsh + v [ ] [ ] ... [ ] [ ] [ ] [ ]

```
● anshikathakur@Anshikas-Laptop myCproject % g++ practice01.cpp
● anshikathakur@Anshikas-Laptop myCproject % ./a.out
4
30
❖ anshikathakur@Anshikas-Laptop myCproject %
```

Q7\_03.cpp > factorial(int)

```
1  #include <iostream>
2  using namespace std;
3  int factorial(int n){
4      if(n==0 || n==1) return 1;
5      return n * factorial(n-1);
6  }
7
8  int main() {
9      int n;
10     cin >> n;
11     cout << factorial(n) << endl;
12     return 0;
13 }
```

PROBLEMS OUTPUT TERMINAL ...

zsh + - [ ] [ ] ... | [ ] [ ] X

```
● anshikathakur@Anshikas-Laptop myCproject % g++ Q7_03.cpp
● anshikathakur@Anshikas-Laptop myCproject % ./a.out
5
120
❖ anshikathakur@Anshikas-Laptop myCproject %
```

zsh + [icon] [icon] [icon] [icon] [icon] [icon]

zsh + [icon] [icon] [icon] [icon] [icon] [icon]

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```
❖ anshikathakur@Anshikas-Laptop myCproject %
```

[illegible][illegible]


 zsh     ... |  

```
anshikathakur@Anshikas-Laptop myCproject %
```

zsh +      ... |  

100

Accepted 31 / 31 testcases passed

 anshikath submitted at Sep 24, 2025 12:00


 Editorial

 Solution

 Runtime

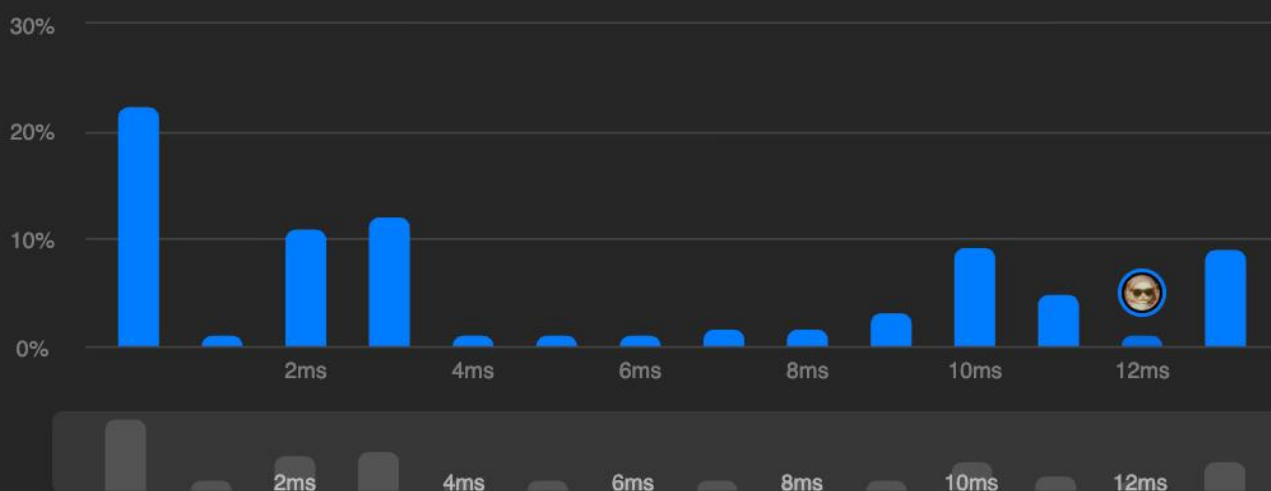


12 ms | Beats 32.59%

 [Analyze Complexity](#)

 Memory

7.89 MB | Beats 36.14%



Code | C++

```
class Solution {
public:
    int fib(int n) {
        if(n==0) return 0;
        if(n==1 || n==2) return 1;

        return fib(n-1) + fib(n-2);
    }
};
```

Write your notes here