rec_assignment > G nFib.cpp > ⊘ main()

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

int fib(int n) {
    if(n == 1 || n == 2) return 1;

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

int main() {
    int n = 6;
    cout << fib(n);

    return 0;
}
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   **TERMINAL**   PORTS

```
PS C:\Users\sumit\OneDrive\Documents\DSA(college)> cd "c:\Users\sumit\OneDrive\Documents\DSA
$?) { .\nFib }
8
PS C:\Users\sumit\OneDrive\Documents\DSA(college)\rec_assignment>
```

rec_assignment > G+ powSum.cpp > ⬡ powSum(int)

```cpp
1    #include <iostream>
2    using namespace std;
3
4    int powSum(int n) {
5        if(n == 0) return 0;
6
7        return n*n + powSum(n-1);
8    }
9
10   int main() {
11       int n = 3;
12       cout << powSum(n);
13
14       return 0;
15   }
```

rec_assignment > **G** fact.cpp > ⊘ main()

```cpp
1    #include <iostream>
2    using namespace std;
3
4    int fact(int n) {
5        if(n == 0 || n == 1) return n;
6
7        return n*fact(n-1);
8    }
9
10   int main() {
11       int n = 5;
12
13       cout << fact(n);
14
15       return 0;
16   }
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

PS C:\Users\sumit\OneDrive\Documents\DSA(college)> cd "c:\Users\sumit\OneDrive\D
$?) { .\fact }
120
PS C:\Users\sumit\OneDrive\Documents\DSA(college)\rec_assignment>

```cpp
rec_assignment > G+ minMax.cpp > ⊗ main()
    1    #include <iostream>
    2    using namespace std;
    3
    4    void minMax(int arr[], int n, int& maxEle) {
    5        if(n == 0) return;
    6
    7        if(arr[n-1] > maxEle) {
    8            maxEle = arr[n-1];
    9        }
    10       return minMax(arr, n-1, maxEle);
    11   }
    12
    13   int main() {
    14       int arr[] = {7, 2, 1, 5, 6, -1, 10, 11};
    15       int n = sizeof(arr) / sizeof(int);
    16       int maxEle = arr[0];
    17
    18       minMax(arr, n, maxEle);
    19       cout << maxEle;
    20
    21       return 0;
    22   }
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

PS C:\Users\sumit\OneDrive\Documents\DSA(college)> cd "c:\Users\sumit\OneDrive\Documents
if ($?) { .\minMax }
11
PS C:\Users\sumit\OneDrive\Documents\DSA(college)\rec_assignment>

```cpp
rec_assignment > G+ isPowOf2.cpp > ...
 1    #include <iostream>
 2    using namespace std;
 3
 4    bool isPowOf2(int n) {
 5        if(n == 1) return true;
 6
 7        if(n%2 != 0 || n == 0) {
 8            return false;
 9        }
10        return isPowOf2(n/2);
11    }
12
13    int main() {
14        int n = 514;
15        cout << isPowOf2(n);
16
17        return 0;
18    }
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   **TERMINAL**   PORTS

PS C:\Users\sumit\OneDrive\Documents\DSA(college)> cd "c:\Users\sumit\OneDrive
} ; if ($?) { .\isPowOf2 }
0
PS C:\Users\sumit\OneDrive\Documents\DSA(college)\rec_assignment>