

Our Solution(s)

Run Code

Your Solutions

Run Code

Solution 1Solution 2Solution 3

```
1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
2
3 using namespace std;
4
5 // O(n) time | O(1) space
6 int getNthFib(int n) {
7     int lastTwo[] = {0, 1};
8     int counter = 3;
9     while (counter <= n) {
10         int nextFib = lastTwo[0] + lastTwo[1];
11         lastTwo[0] = lastTwo[1];
12         lastTwo[1] = nextFib;
13         counter++;
14     }
15     return n > 1 ? lastTwo[1] : lastTwo[0];
16 }
17
```

Solution 1Solution 2Solution 3

```
1 using namespace std;
2
3 int getNthFib(int n) {
4     // Write your code here.
5     return -1;
6 }
7
```

```
1 def test_getter():
2     """Test the getter method"""
3     # Create an instance of the class
4     obj = MyClass()
5     # Call the getter method
6     value = obj.get_value()
7     # Check if the value is correct
8     assert value == 42
9
10 def test_setter():
11     """Test the setter method"""
12     # Create an instance of the class
13     obj = MyClass()
14     # Call the setter method
15     obj.set_value(100)
16     # Check if the value is correct
17     assert obj.get_value() == 100
18
19 def test_reset():
20     """Test the reset method"""
21     # Create an instance of the class
22     obj = MyClass()
23     # Call the reset method
24     obj.reset()
25     # Check if the value is correct
26     assert obj.get_value() == 42
```

Run or submit code when you're ready.