

Our Solution(s)

Run Code

Your Solutions

Run Code

Solution 1Solution 2Solution 3

```
1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
2
3 package main
4
5 // O(n) time | O(n) space
6 func GetNthFib(n int) int {
7     return helper(n, map[int]int{
8         1: 0,
9         2: 1,
10    })
11 }
12
13 func helper(n int, memoize map[int]int) int {
14     if val, found := memoize[n]; found {
15         return val
16     }
17     memoize[n] = helper(n-1, memoize) + helper(n-2, memoize)
18     return memoize[n]
19 }
20
```

Solution 1Solution 2Solution 3

```
1 package main
2
3 func GetNthFib(n int) int {
4     // Write your code here.
5     return -1
6 }
7
```

Our Tests

Custom Output

Submit Code

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```
14 Run in Python3 Notebook Notebook 2
15 expected = 5
16 output = getOutput()
17 return expected, expected, output
18 }
19
20 Run in Python3 Notebook Notebook 2
21 expected = 5
22 output = getOutput()
23 return expected, expected, output
24 }
25
26 Run in Python3 Notebook Notebook 2
27 expected = 5
```

Run or submit code when you're ready.