

Our Solution(s)

Run Code

Your Solutions

Run Code

Solution 1	Solution 2	Solution 3
<pre>1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved. 2 3 #include &lt;unordered_map&gt; 4 using namespace std; 5 6 int getNthFib(int n); 7 int helper(int n, unordered_map&lt;int, int&gt; memoize); 8 9 // O(n) time   O(n) space 10 int getNthFib(int n) { 11     unordered_map&lt;int, int&gt; memoize({{1, 0}, {2, 1}}); 12     return helper(n, memoize); 13 } 14 15 int helper(int n, unordered_map&lt;int, int&gt; memoize) { 16     if (memoize.find(n) != memoize.end()) { 17         return memoize[n]; 18     } else { 19         memoize[n] = helper(n - 1, memoize) + helper(n - 2, memoize); 20         return memoize[n]; 21     } 22 } 23</pre>		
Solution 1	Solution 2	Solution 3
<pre>1 using namespace std; 2 3 int getNthFib(int n) { 4     // Write your code here. 5     return -1; 6 } 7</pre>		

Run or submit code when you're ready.