Our Solution(s)   Run Code

Solution 1   Solution 2   Solution 3

```csharp
1  // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
2
3  using System.Collections.Generic;
4
5  public class Program {
6    // O(n) time | O(n) space
7    public static int GetNthFib(int n) {
8      Dictionary<int, int> memoize = new Dictionary<int, int>();
9      memoize.Add(1, 0);
10     memoize.Add(2, 1);
11     return GetNthFib(n, memoize);
12   }
13
14   public static int GetNthFib(int n, Dictionary<int, int> memoize) {
15     if (memoize.ContainsKey(n)) {
16       return memoize[n];
17     } else {
18       memoize.Add(n, GetNthFib(n - 1, memoize) + GetNthFib(n - 2, mem
19       return memoize[n];
20     }
21   }
22 }
23
```

Your Solutions   Run Code

Solution 1   Solution 2   Solution 3

```csharp
1  public class Program {
2    public static int GetNthFib(int n) {
3      // Write your code here.
4      return -1;
5    }
6  }
7
```

Our Tests

Custom Output   Submit Code

Run or submit code when you're ready.