Our Solution(s) Run Code

Solution 1   Solution 2   Solution 3

```java
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import java.util.*;

class Program {
  // O(n) time | O(n) space
  public static int getNthFib(int n) {
    Map<Integer, Integer> memoize = new HashMap<Integer, Integer>();
    memoize.put(1, 0);
    memoize.put(2, 1);
    return getNthFib(n, memoize);
  }

  public static int getNthFib(int n, Map<Integer, Integer> memoize) {
    if (memoize.containsKey(n)) {
      return memoize.get(n);
    } else {
      memoize.put(n, getNthFib(n - 1, memoize) + getNthFib(n - 2, memo
      return memoize.get(n);
    }
  }
}
```

Your Solutions Run Code

Solution 1   Solution 2   Solution 3

```java
class Program {
  public static int getNthFib(int n) {
    // Write your code here.
    return -1;
  }
}
```

Custom Output Submit Code

```java
// Copyright © 2020 AlgoExpert, LLC. All rights reserved.

import java.util.*;

class Program {
  // O(n) time | O(n) space
  public static int getNthFib(int n) {
    Map<Integer, Integer> memoize = new HashMap<Integer, Integer>();
```