

# Topic - Recursion

## Easy – Difficulty: Nth Fibonacci

### Problem Statement:

The Fibonacci sequence is defined as follows: the first number of the sequence is 0, the second number is 1 and the nth number is the sum of the (n - 1)th and (n - 2)th numbers. Write a function that takes in an integer n and returns the nth Fibonacci number.

Important note: the Fibonacci sequence is often defined with its first two numbers as  $F_0 = 0$  and  $F_1 = 1$ . For the purpose of this question, the first Fibonacci number is  $F_0$ ; therefore, `getNthFib(1)` is equal to  $F_0$ , `getNthFib(2)` is equal to  $F_1$ , etc..

### Sample Input #1

```
n = 2
```

### Sample Output #1

```
1 // 0, 1
```

### Sample Input #2

```
n = 6
```

### Sample Output #2

```
5 // 0, 1, 1, 2, 3, 5
```