Python

Difficulty: **Category:** **Successful Submissions:** 94,394+

Nth Fibonacci

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 `F0 = 0` and `F1 = 1`. For the purpose of this question, the first Fibonacci number is `F0`; therefore, `getNthFib(1)` is equal to `F0`, `getNthFib(2)` is equal to `F1`, 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
```

Hints

Hint 1

The formula to generate the nth Fibonacci number can be written as follows: F(n) = F(n - 1) + F(n - 2). Think of the case(s) for which this formula doesn't apply (the base case(s)) and try to implement a simple recursive algorithm to find the nth Fibonacci number with this formula.

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