Challenge 5: Compute nth Fibonacci Number

In this challenge, you are required to compute the nth Fibonacci number.

Problem Statement

Implement the `Fibonacci` function that takes a number `n` and calculates the nth Fibonacci.

> The Fibonacci Sequence is the series of numbers: 0, 1, 1, 2, 3, 5, 8, 13, 21, 34, ... The next number is found by adding up the previous two consecutive numbers.

Input

An integer

Output

nth fibonacci term

Sample Input

7

Sample Output

8

Coding Exercise

Write your code in the code widget below. If you don't get it right, don't fret; the solution is also given.

```python
def fibonacci(n):
    ## write base case
    ## write recursive case
  pass
```

Now, let's move on to the detailed solution review of the above problem.