```
fwick@DELG01CW-4CAE0F: ~
                                                                                                                ×
 wick@DELG01CW-4CAE0F:~$ ollama run codellama
pulling manifest
pulling 3a43f93b78ec... 100% 🛭
                                                                                       3.8 GB
pulling 8c17c2ebb0ea... 100% [
                                                                                       2 7.0 KB
pulling 590d74a5569b... 100% [
                                                                                        4.8 KB
pulling 2e0493f67d0c... 100%
                                                                                          59 B
pulling 7f6a57943a88... 100% [
                                                                                         120 B
pulling 316526ac7323... 100% [
                                                                                          529 B
verifying sha256 digest
writing manifest
removing any unused layers
success
>>> You are an expert programmer that writes simple, concise code and explanations. Write a python function to generate
 .. the nth fibonacci number.
def fibonacci(n):
   if n <= 1:
        return n
   else:
       return fibonacci(n-1) + fibonacci(n-2)
Explanation:
The Fibonacci sequence is a series of numbers in which each number is the sum of the two preceding numbers,
starting from 0 and 1. To calculate the nth Fibonacci number, we can use a recursive formula that states that the
nth Fibonacci number is equal to the (n-1)st Fibonacci number plus the (n-2)nd Fibonacci number.
This function takes an integer `n` as input and returns the nth Fibonacci number. The function first checks if `n`
is less than or equal to 1, in which case it simply returns `n`. If `n` is greater than 1, it calculates the
(n-1)st and (n-2)nd Fibonacci numbers using recursive calls to itself, and then returns their sum.
For example, if we call this function with `n=5`, it will calculate the 5th Fibonacci number as follows:
fibonacci(5) = fibonacci(4) + fibonacci(3)
           = (fibonacci(3) + fibonacci(2)) + (fibonacci(2) + fibonacci(1))
          = (1 + 1) + (1 + 0)
           = 3
Therefore, `fibonacci(5)` returns the value `3`, which is the 5th Fibonacci number.
>>> Send a message (/? for help)
```