Problem #509 : Fibonacci Number

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<https://leetcode.com/problems/fibonacci-number/>

My Solution:

<https://leetcode.com/problems/fibonacci-number/discuss/1160913/Simple-Python-3-Solution-Runtime-beats-94.78>

1. If n is 0, then return 0.
2. If n is 1, then return 1.
3. Otherwise, initialize i to 2 and arr to a list consisting of 0 and 1.
4. Iterate in a while loop for i less than or equal to n, append to arr the sum of the values at index i-1 and I-2. Then increment i by 1.
5. Return arr value at index n.

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class Solution:

def fib(self, n: int) -> int:

if n == 0:

return 0

elif n == 1:

return 1

i = 2

arr = [0, 1]

while i <= n:

arr.append(arr[i-1] + arr[i-2])

i += 1

return arr[n]