**7 kyu**

**Fibonacci's FizzBuzz**

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Python

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**Instructions**

The goal of this kata is two-fold:

1.) You must produce a fibonacci sequence in the form of an array, containing a number of items equal to the input provided.

2.) You must replace all numbers in the sequence divisible by 3 with Fizz, those divisible by 5 with Buzz, and those divisible by both 3 and 5 with FizzBuzz.

For the sake of this kata, you can assume all input will be a positive integer.

**Use Cases**

Return output must be in the form of an array, with the numbers as integers and the replaced numbers (fizzbuzz) as strings.

**Examples**

Input:

fibs\_fizz\_buzz(5)

Output:

[ 1, 1, 2, 'Fizz', 'Buzz' ]

Input:

fibs\_fizz\_buzz(1)

Output:

[1]

Input:

fibs\_fizz\_buzz(20)

Output:

[1,1,2,"Fizz","Buzz",8,13,"Fizz",34,"Buzz",89,"Fizz",233,377,"Buzz","Fizz",1597,2584,4181,"FizzBuzz"]

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def fibs\_fizz\_buzz(n):

#pass

ans = []

fib = []

fib.append(0)

fib.append(1)

ans.append(1)

for i in range(2,n+1):

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

if fib[i] % 3 == 0 and fib[i] % 5==0:

ans.append("FizzBuzz")

elif fib[i] % 3 ==0:

ans.append("Fizz")

elif fib[i] % 5==0:

ans.append("Buzz")

else:

ans.append(fib[i])

return ans

print(fibs\_fizz\_buzz(5))