Mahmoud Moustafa Assignment 1

# Fibonacci Primes

A Fibonacci prime is a Fibonacci number that is prime, such as 2, 3, 4, 13, 89 and so on.[[1]](#footnote-1) Prime numbers are numbers greater than one and can be divided only by themselves and one and the result would be a counting number. A Fibonacci number is a number that can be obtained by the following functions: F0 = 0, F1 = 1, and Fn = Fn-1+Fn-2.[[2]](#footnote-2).

# isPrime Function Source Code

Text

Description automatically generated

# testingprimes Source Code

Text

Description automatically generated

# isPrime and testingprimes compiling



# isPrime and testingprimes testing

Text

Description automatically generated

Text

Description automatically generated

# isFib Function Source Code

Text

Description automatically generated

# testingfibs Source Code

Text

Description automatically generated

# isFib and testingfibs compiling



# isfib and testingfibs testing

Text

Description automatically generated

# fibprimes Source Code

Text

Description automatically generated

# fibprimes, isfib, isprime compiling



# fibprimes, isfib, isprime testing

Text

Description automatically generated

1. [Fibonacci prime - Wikipedia](https://en.wikipedia.org/wiki/Fibonacci_prime#:~:text=A%20Fibonacci%20prime%20is%20a,%2C%202971215073%2C%20....) [↑](#footnote-ref-1)
2. [Fibonacci number - Wikipedia](https://en.wikipedia.org/wiki/Fibonacci_number) [↑](#footnote-ref-2)