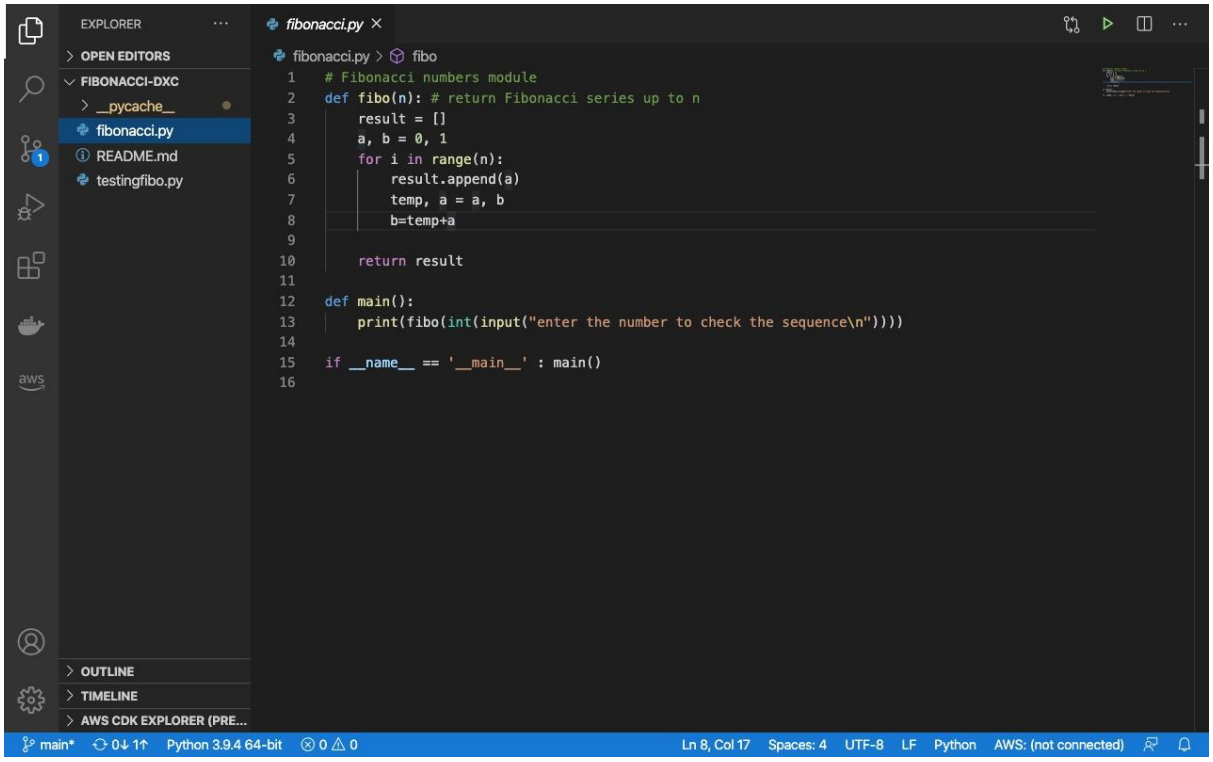
PYTHON PROGRAM THAT DISPLAYS THE FIRST N FIBONACCI NUMBERS.

The Fibonacci sequence is the series of numbers: 0, 1, 1, 2, 3, 5, 8, 13, 21, 34, . . .

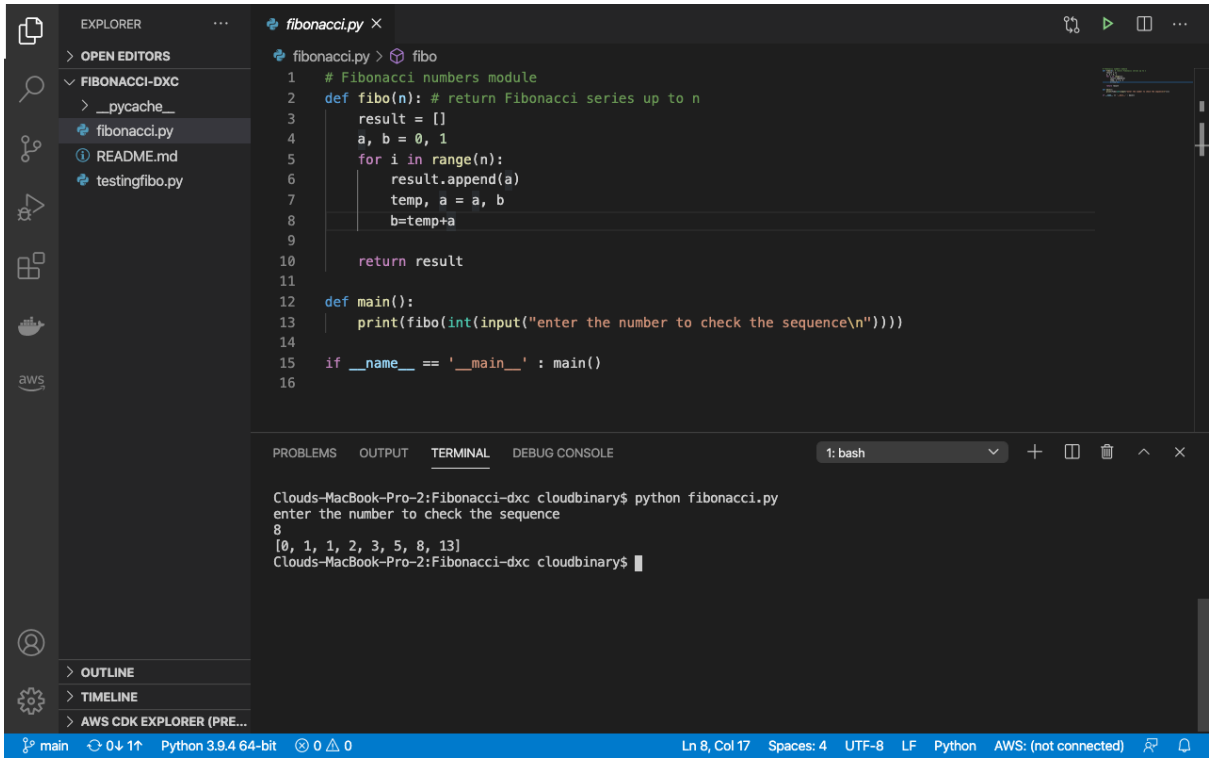
Each subsequent number is the sum of the previous two.

CODE FOR *FIBONACCI NUMBERS.*



EXECUTION OF *FIBONACCI NUMBERS*

Assuming n is set to 8 the following Fibonacci sequence should be displayed -> 0,1,1,2,3,5,8,13



EXECUTION OF THE PROGRAM,

Python <filename>.py

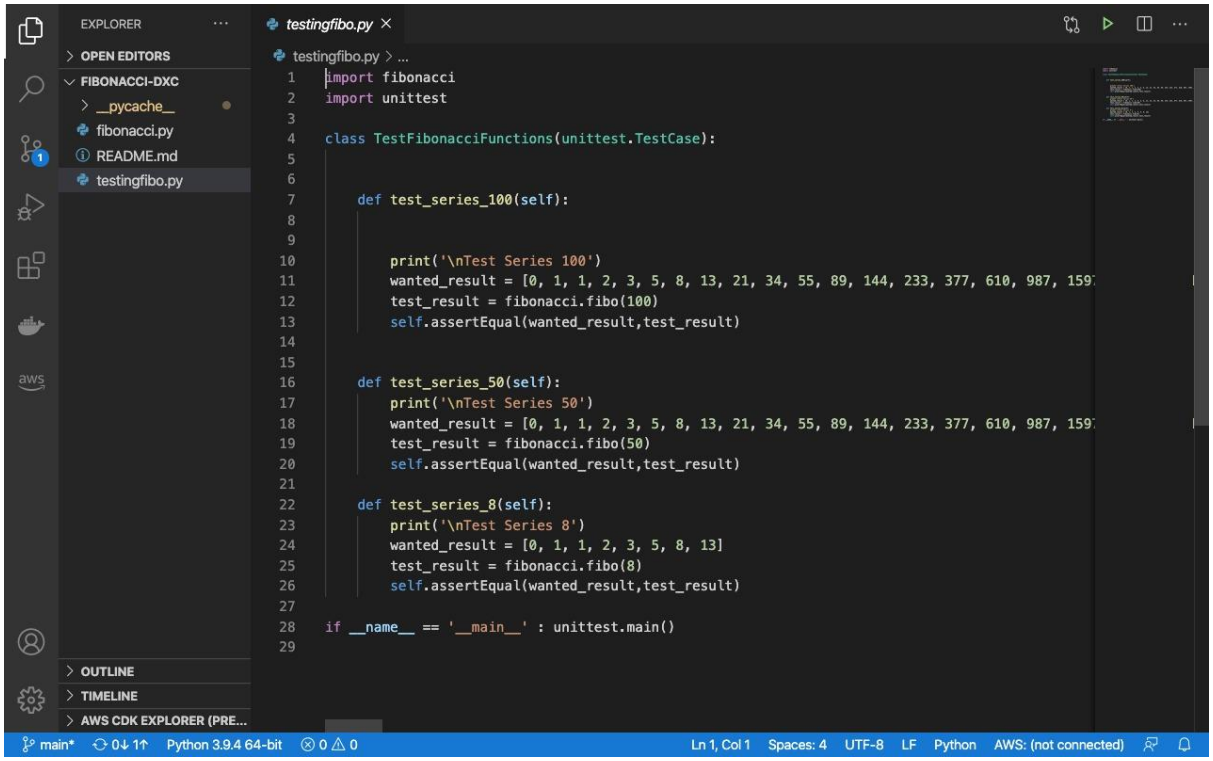
Python fibonacci.py

Enter the number to check the sequence

8

[0, 1, 1, 2, 3, 5, 8, 13]

UNIT TESTING



UNIT TESTING FOR FABONICCI NUMBERS IT IS TESTED FOR THE SERIES OF 100, 50 AND 8 THE TEST SERIES RAN SUCCESSFULLY. FOR THE THREE TEST CASES.

FOR THE EXECUTION OF UNIT TESTING SYNTAX IS : python <testfile>.py

python testingfibo.py

Test Series 100

.

Test Series 50

.

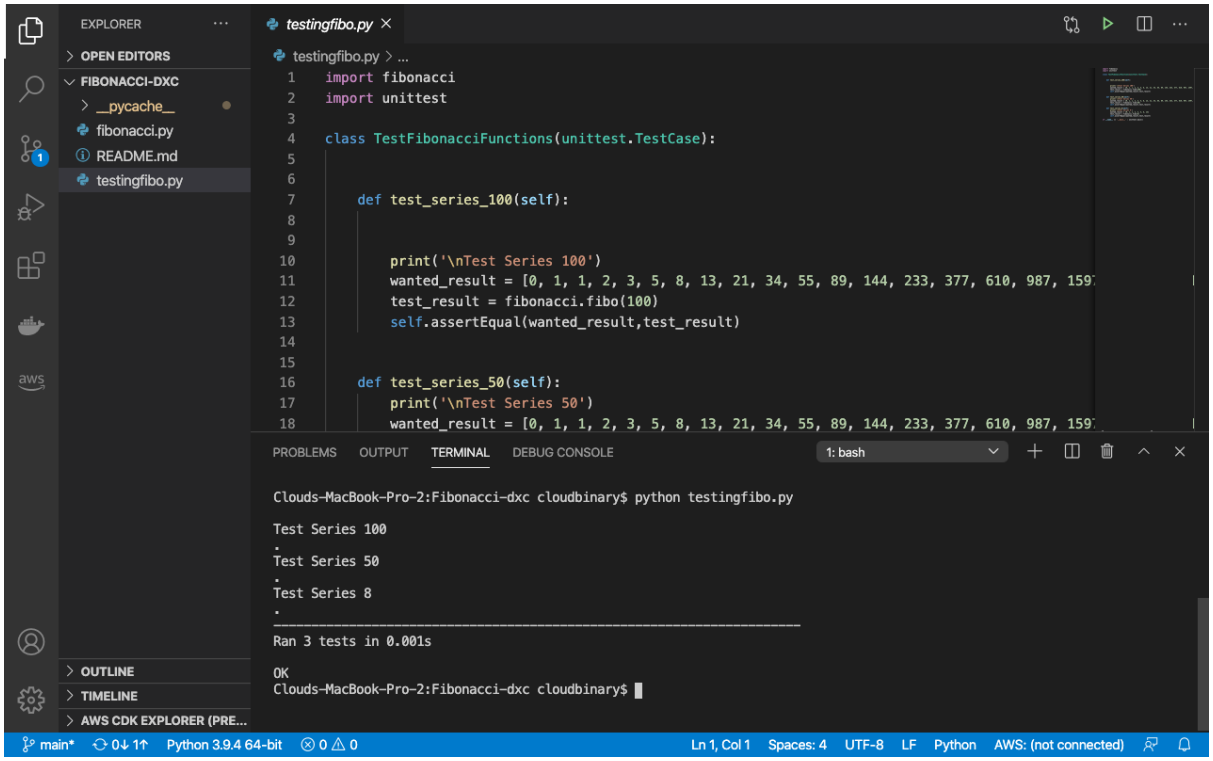
Test Series 8

.

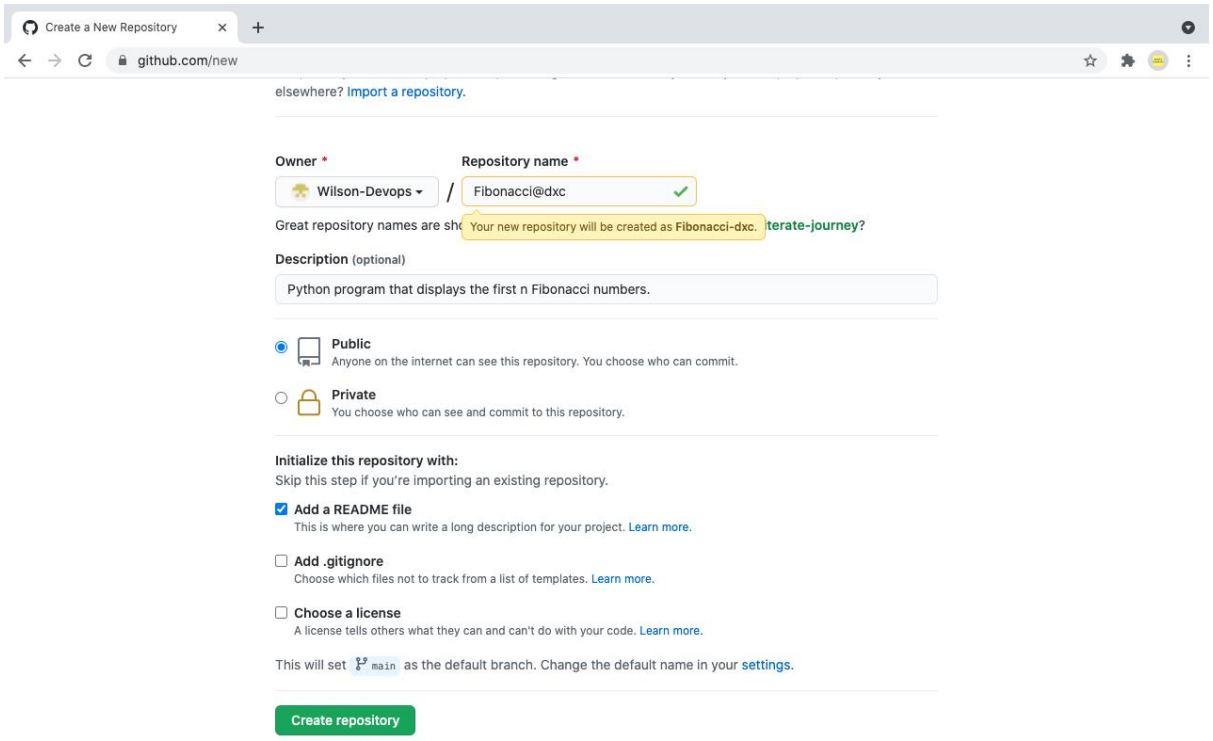
--

Ran 3 tests in 0.003s

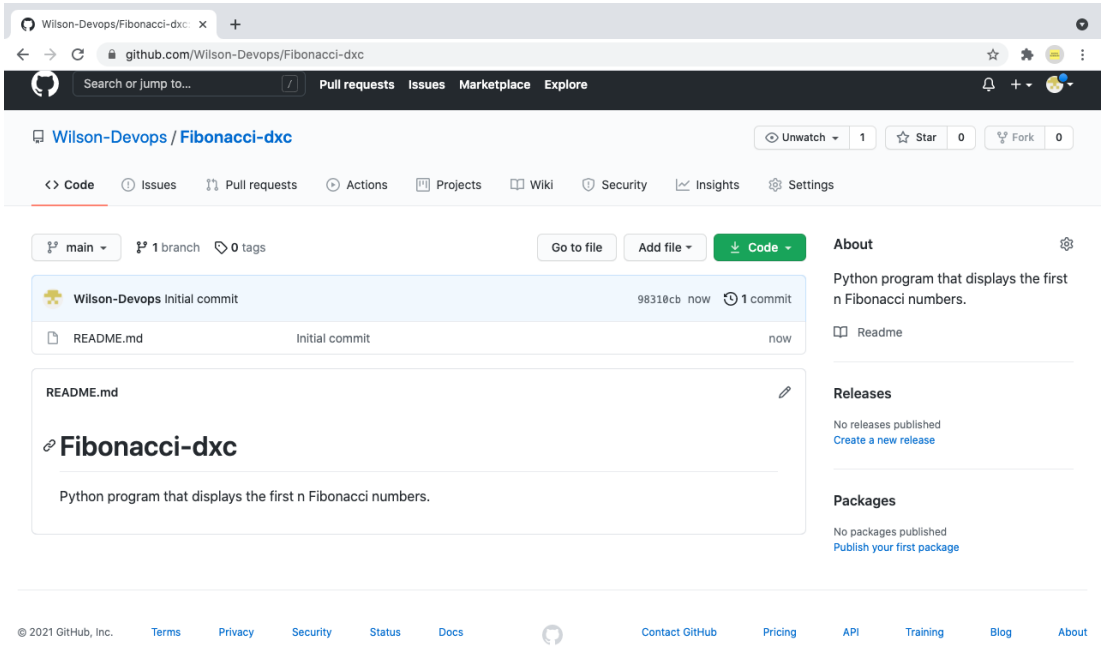
OK



CREATING NEW GITHUB REPOSITORY



NEW REPO

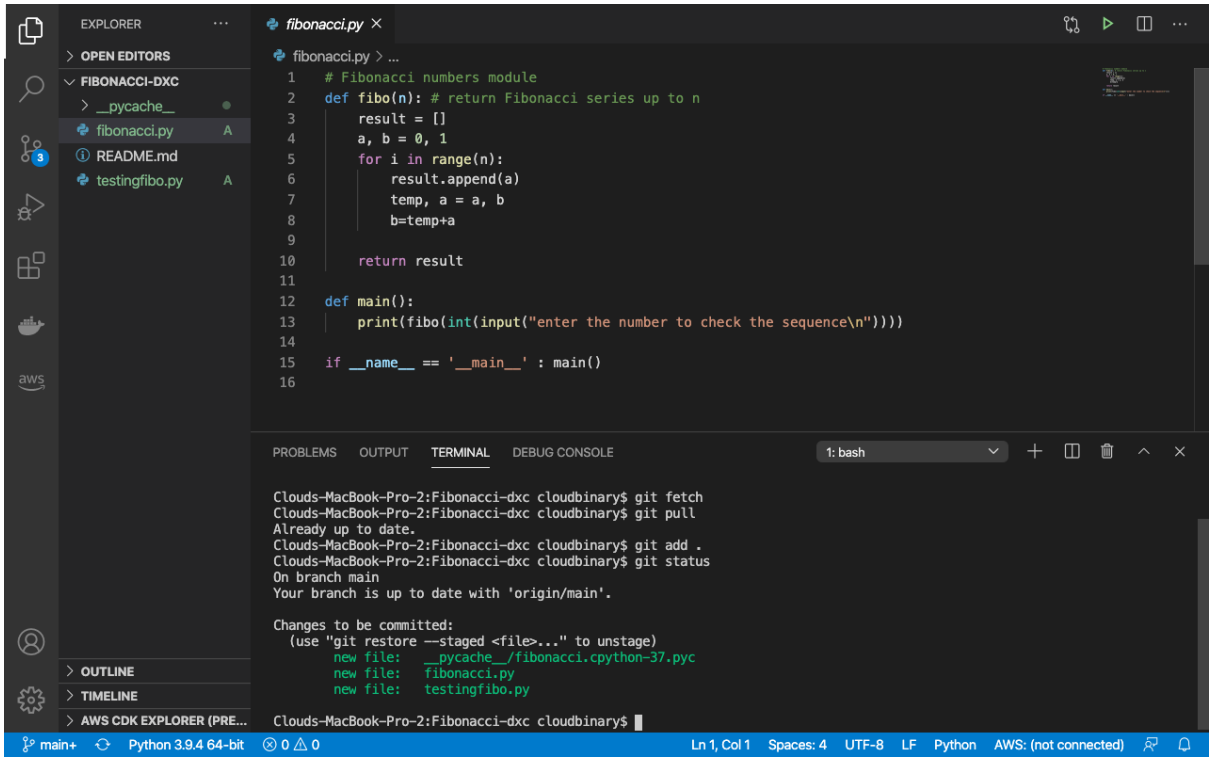


Git URL: https://github.com/Wilson-Devops/Fibonacci-dxc.git

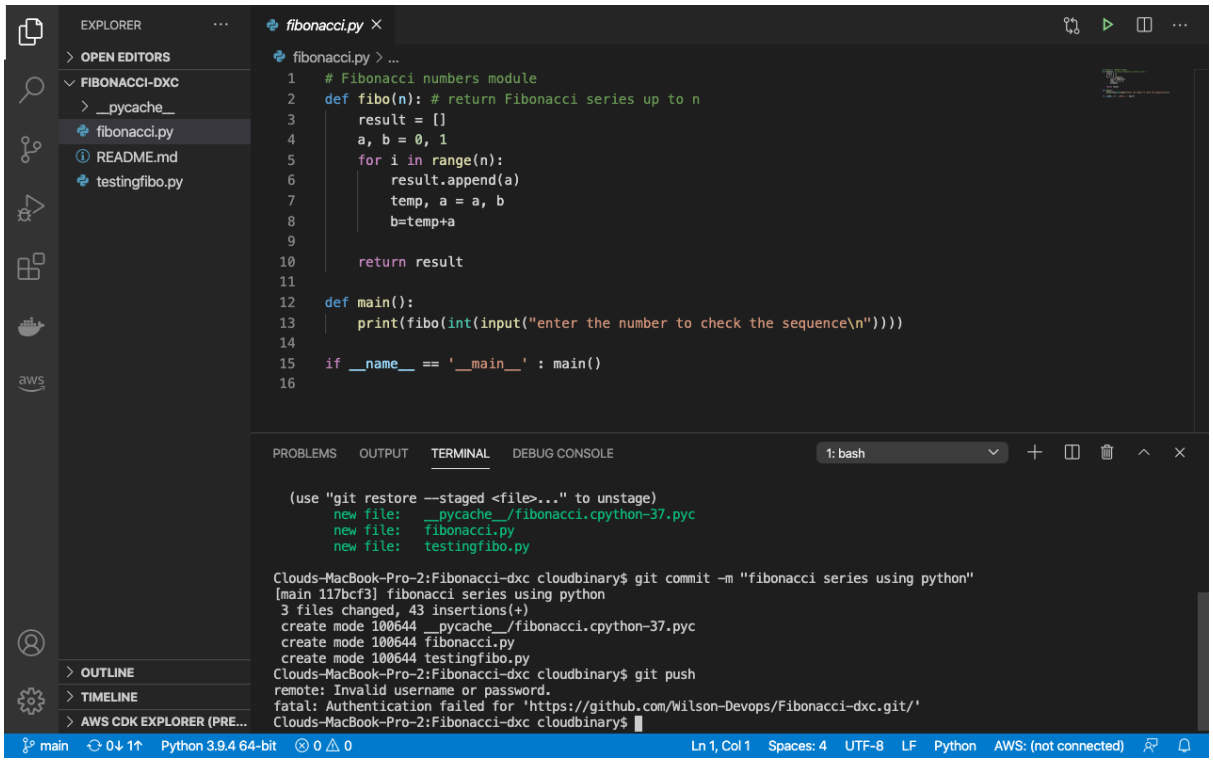
CLONING INTO LOCAL REPOSITORY

```
Clouds-MacBook-Pro-2:wilson@dxc cloudbinary$ git clone https://github.com/Wilson-Devops/Fibonacci-dxc.git
Cloning into 'Fibonacci-dxc'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (3/3), done.
Clouds-MacBook-Pro-2:wilson@dxc cloudbinary$
```

ADDING CODE



COMMITING CHANGES AND PUSHING TO REMOTE REPO



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