



Week 1

How to setup the assignments repo locally and run the test cases?

Steps

1.Check node is available in your machine.using terminal!

node -v -->to check the node version

```
praveenkumars@PRAVEENKUMARs-MacBook-Pro ~ % node -v  
v20.9.0  
praveenkumars@PRAVEENKUMARs-MacBook-Pro ~ % npm -v  
10.2.3
```

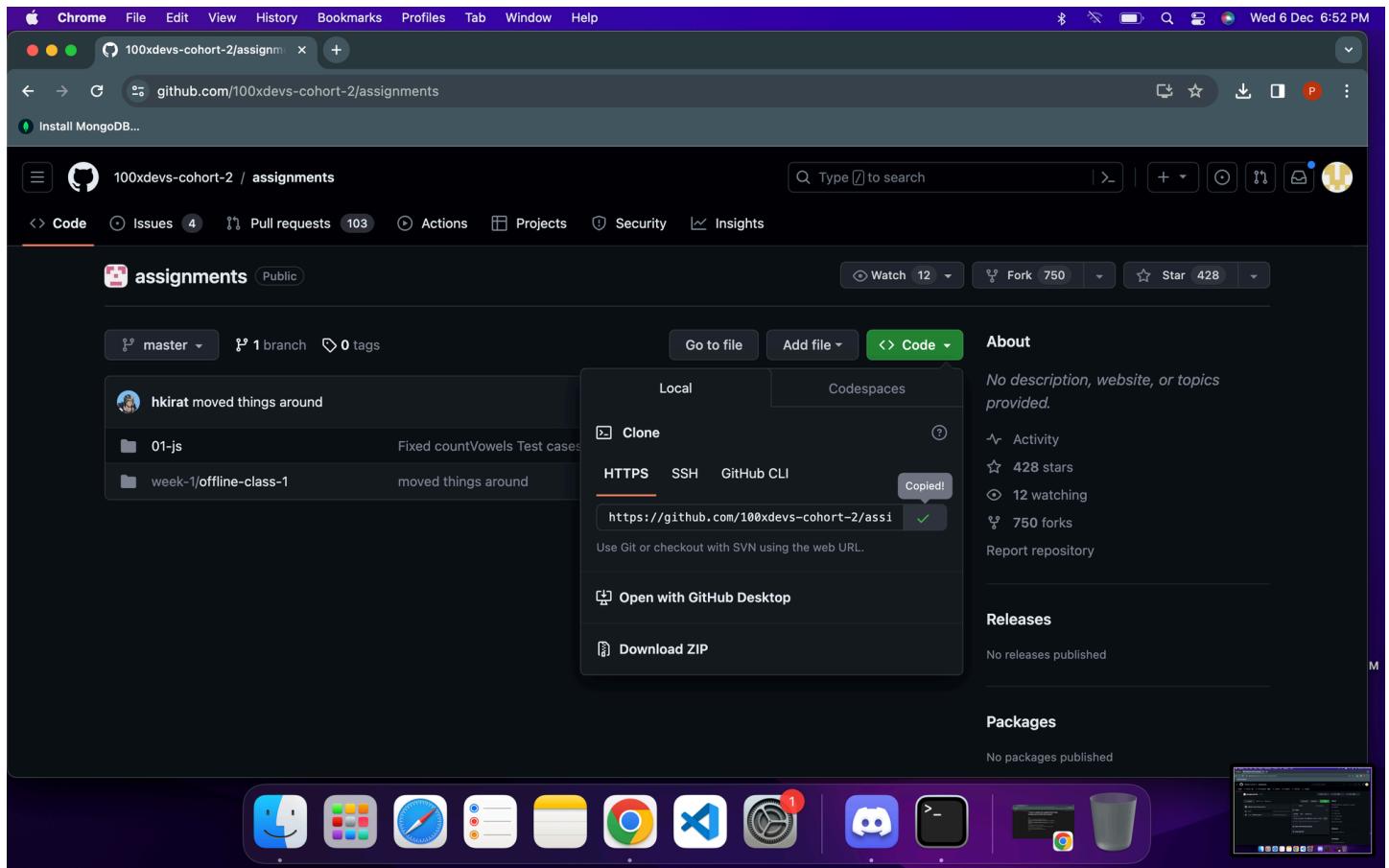
2.If it is already installed go to step 4.if not.step 3

3.install nodejs from [download nodejs](#) and setup it.refer youtube video if required.

4.install the vs code and complete the setup .

5.install and setup the git locally.refer youtube video.

6.Go to [assignments repo](#) and copy the link.or download the .zip file and open it.



1. open the terminal and use the command

```
git clone githuburl
```

```
[praveenkumars@PRAVEENKUMARs-MacBook-Pro assignments % git clone https://github.com/100xdevs-cohort-2/assignments ]
```

8 . do the following commands the file will open in the vs code or manually open it.

```
[praveenkumars@PRAVEENKUMARs-MacBook-Pro assignments % ls assignments
[praveenkumars@PRAVEENKUMARs-MacBook-Pro assignments % cd assignments
[praveenkumars@PRAVEENKUMARs-MacBook-Pro assignments % ls 01-js week-1
[praveenkumars@PRAVEENKUMARs-MacBook-Pro assignments % cd 01-js
praveenkumars@PRAVEENKUMARs-MacBook-Pro 01-js % code .]
```

9 .Now vs code will be open 01-js file.Go to easy folder choose any problem .I choose anagram.js and solve it.

The screenshot shows the Visual Studio Code interface. The left side displays the code for 'anagram.js' in a dark-themed editor. The code defines a function 'isAnagram' that takes two strings and returns true if they are anagrams. The right side shows the 'EXPLORER' sidebar with the '01-JS' folder expanded, revealing subfolders 'easy', 'hard', 'medium', and 'tests', along with files like 'anagram.js', 'expenditure-analysis.js', 'findLargestElement.js', 'package-lock.json', 'package.json', and 'README.md'. The bottom status bar indicates the file is in JavaScript mode.

1. For running the test for particular problem. Open the terminal use the following command with your file name.

```
npx jest ./tests/anagram.test.js
```

The screenshot shows the Visual Studio Code interface with the terminal tab active. The terminal output shows the results of running 'npx jest ./tests/anagram.test.js'. The test suite passes all five tests, including checks for different casing, special characters, and non-anagrams. The status bar at the bottom shows the file is in JavaScript mode.

```
praveenkumars@PRAVEENKUMARS-MacBook-Pro 01-js % npx jest ./tests/anagram.test.js
PASS  tests/anagram.test.js
  isAnagram
    ✓ returns true for anagrams (3 ms)
    ✓ returns false for non-anagrams (1 ms)
    ✓ returns true for anagrams with different casing (1 ms)
    ✓ returns true for anagrams with special characters (1 ms)
    ✓ returns false for non-anagrams with special characters (1 ms)

Test Suites: 1 passed, 1 total
Tests:       5 passed, 5 total
Snapshots:  0 total
Time:        0.257 s, estimated 1 s
Ran all test suites matching ./tests\anagram.test.js/i.
praveenkumars@PRAVEENKUMARS-MacBook-Pro 01-js %
```

1. For running all the test case use the following command

```
npx jest ./tests/
```

SUCCESSFULLY COMPLETED

***Note**

To run the test case should be in correct directory for this week it is 01-js

IF ERROR OCCURS

RUN THE FOLLOWING COMMANDS

```
npm i -g  
npm i npm -g
```

CHECK THE CURRENT DIRECTORY IT SHOULD BE 01-js