

# 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
```

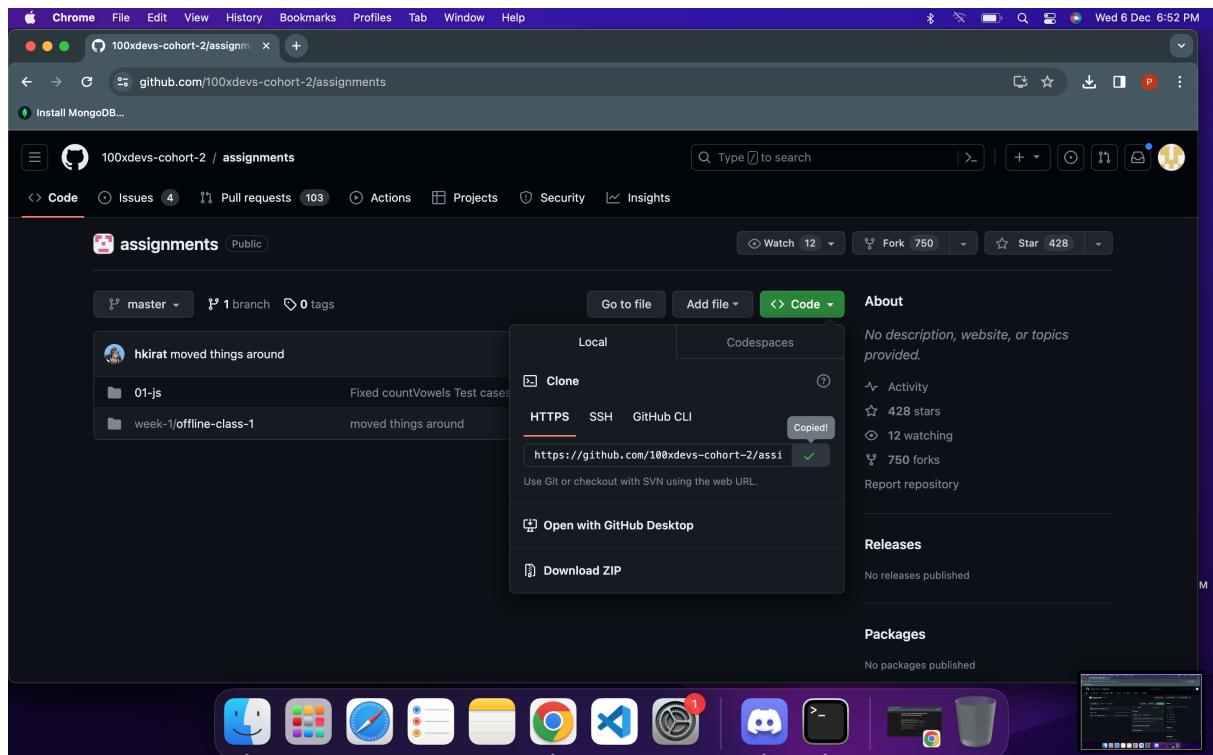
2.If it is already installed go to step 4.if not.step 3

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.



7. 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 VS Code interface. The left side displays the code for 'anagram.js' in a dark-themed editor. The code defines a function 'isAnagram' that checks if two strings are anagrams by sorting their lowercase characters. The right side shows the 'EXPLORER' sidebar with a tree view of the project structure. The '01-JS' folder contains 'easy', 'hard', and 'medium' subfolders, and 'tests', 'package-lock.json', 'package.json', and 'README.md' files. The 'easy' folder is expanded, showing 'anagram.js', 'expenditure-analysis.js', and 'findLargestElement.js'. The status bar at the bottom indicates the current file is 'anagram.js', line 16, column 1, with 16 spaces, 2 tabs, and 0 errors.

10. 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 VS Code interface with the following details:

- File Structure:** The Explorer sidebar shows a project structure for "01-JS" with folders "easy", "hard", "medium", and "tests".
- Code Editor:** The main editor window contains the "anagram.js" file. The code defines a function `isAnagram` that checks if two strings are anagrams by sorting their characters.
- Terminal:** The terminal shows the command `npx jest ./tests/anagram.test.js` being run, resulting in 5 passed tests.
- Status Bar:** The status bar at the bottom indicates the current file is "anagram.js" and shows other tabs like "calculator", "countVowels", "expenditure-analysis", "findLargestElement", and "palindrome".

11. 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