

# 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
```

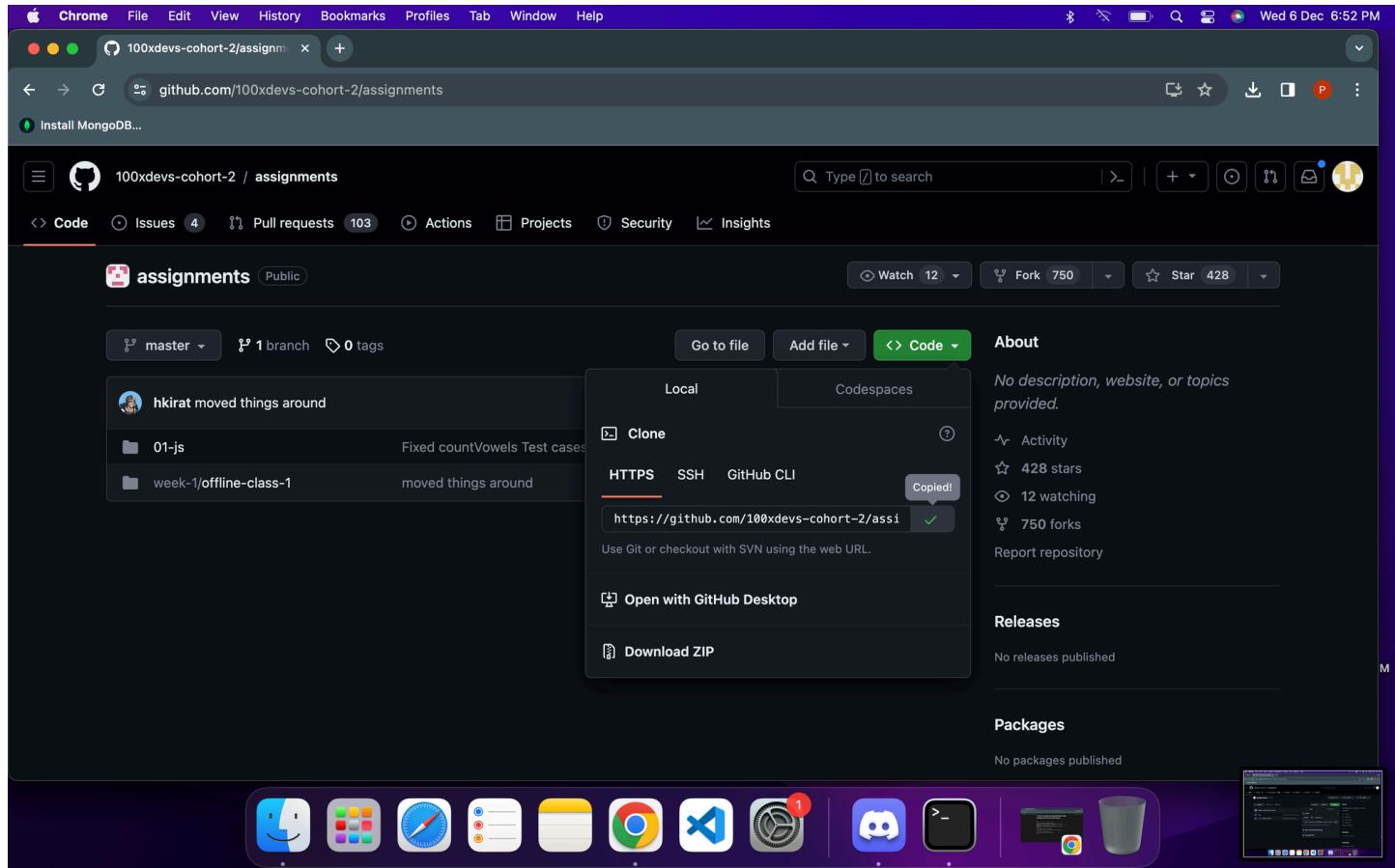
2.If it is already installed go to step 4.if not.step 3

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.

```

js anagram.js ×
easy > js anagram.js > ...
1 /*
2  Write a function 'isAnagram' which takes 2 parameters and returns true/false if those are anagrams
3  What's Anagram?
4  - A word, phrase, or name formed by rearranging the letters of another, such as spar, formed from the letters of pair.
5 */
6
7 function isAnagram(str1, str2) {
8     const cleanStr = (str) => str.replace(/\s/g, '').toLowerCase();
9     const sortedStr = (str) => cleanStr(str).split('').sort().join('');
10
11     return sortedStr(str1) === sortedStr(str2);
12 }
13
14
15
16
17 module.exports = isAnagram;
18

```

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
```

```

Code File Edit Selection View Go Run Terminal Window Help
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS COMMENTS ✘ zsh + □ ✎ ... ^ x
praveenkumars@PRAVEENKUMARS-MacBook-Pro 01-js % npx jest ./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