

## Project Design Phase-I

### Solution Architecture

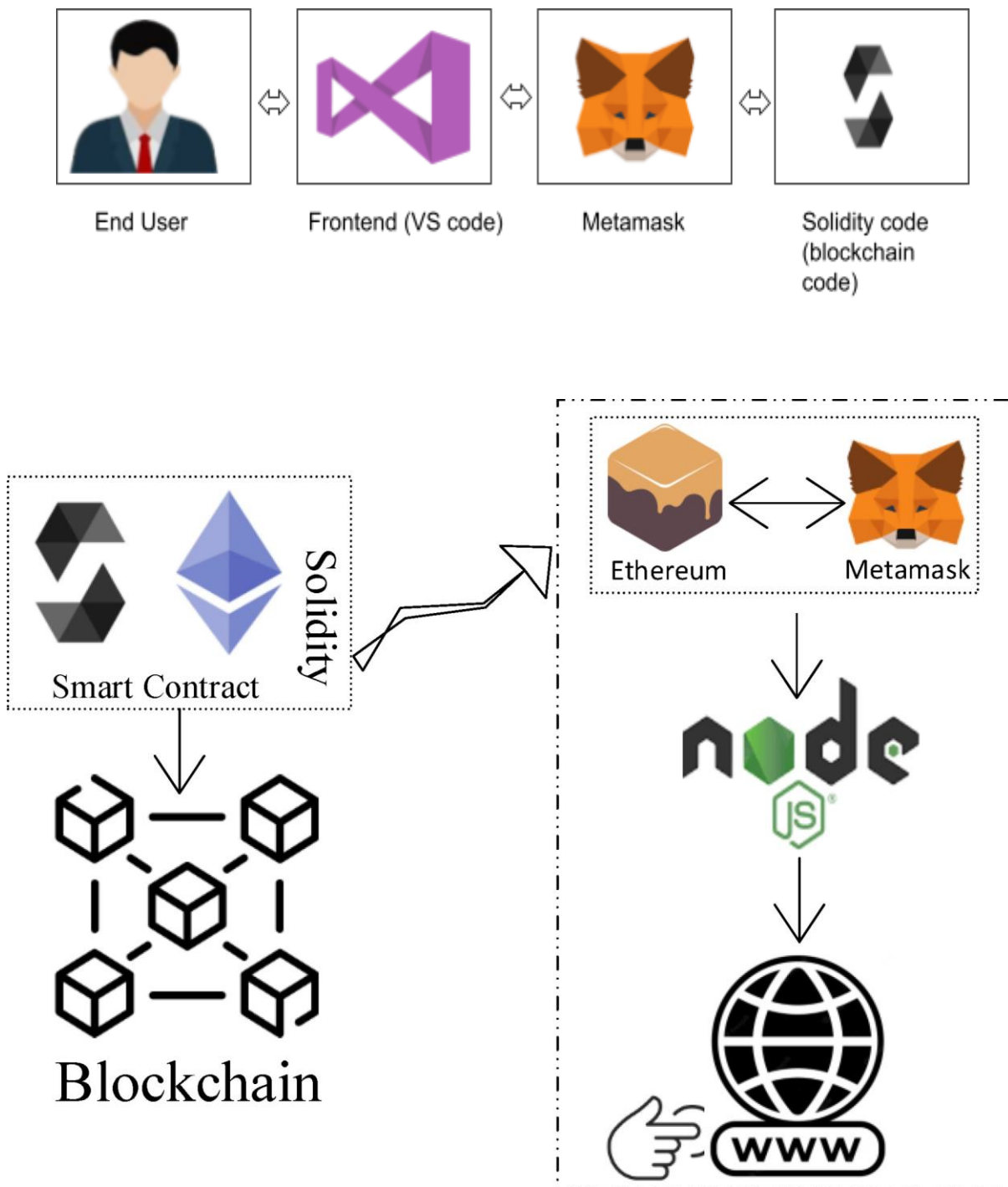
Date	26 october 2023
Team ID	0FA497ABA4E81279A0A48BE37CD3D5B2
Project Name	Vaccine Tracking-Transparent Using blockchain
Maximum Marks	4 Marks

#### Solution Architecture:

Solution architecture is a complex process – with many sub-processes – that bridges the gap between business problems and technology solutions. Its goals are to:

- Find the best tech solution to solve existing business problems.
- Describe the structure, characteristics, behavior, and other aspects of the software to project stakeholders.
- Define features, development phases, and solution requirements.
- Provide specifications according to which the solution is defined, managed, and delivered.

### Example - Solution Architecture Diagram:



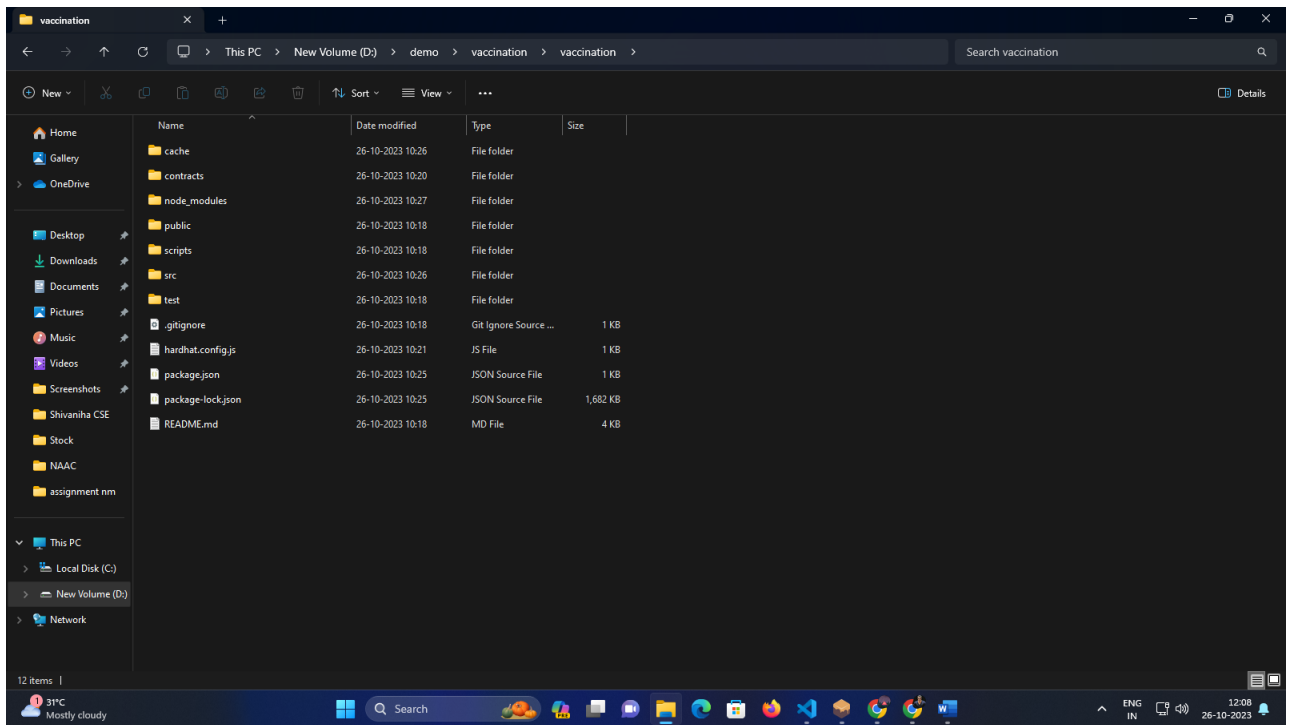
## Prerequisite

- 1 download node.js : [Node.js](#)
- 2 download vs code: [Li4nk](#)
- 3 download metamask : <https://metamask.io/>

## Steps to complete the project

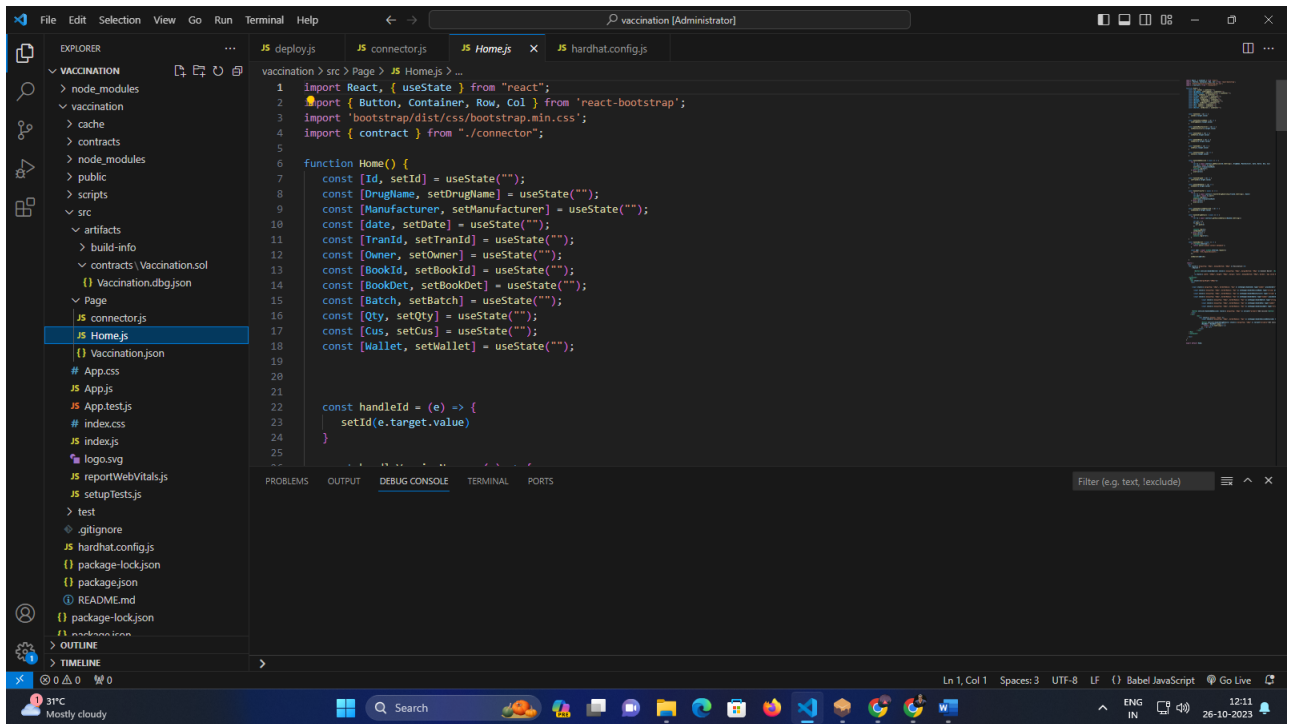
### Step 1:-

1. Open the Zip file and download the zip  
file.Extract all zip files

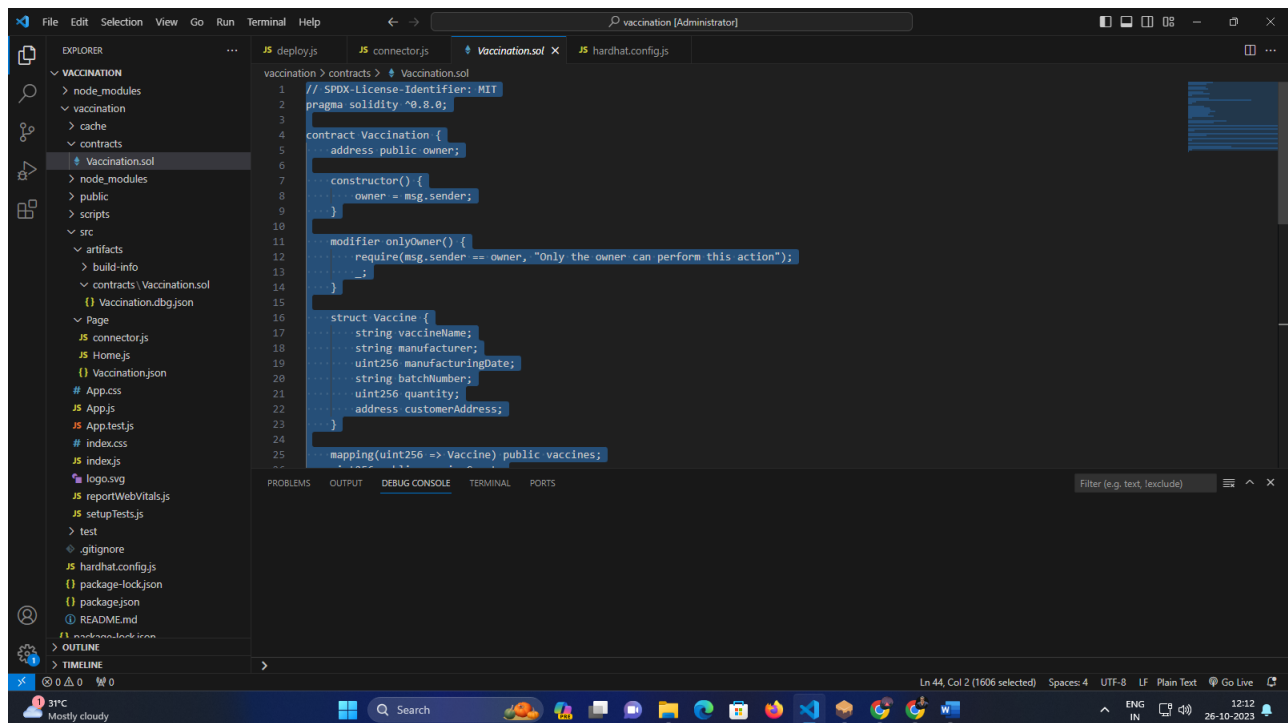


### Step 2 :

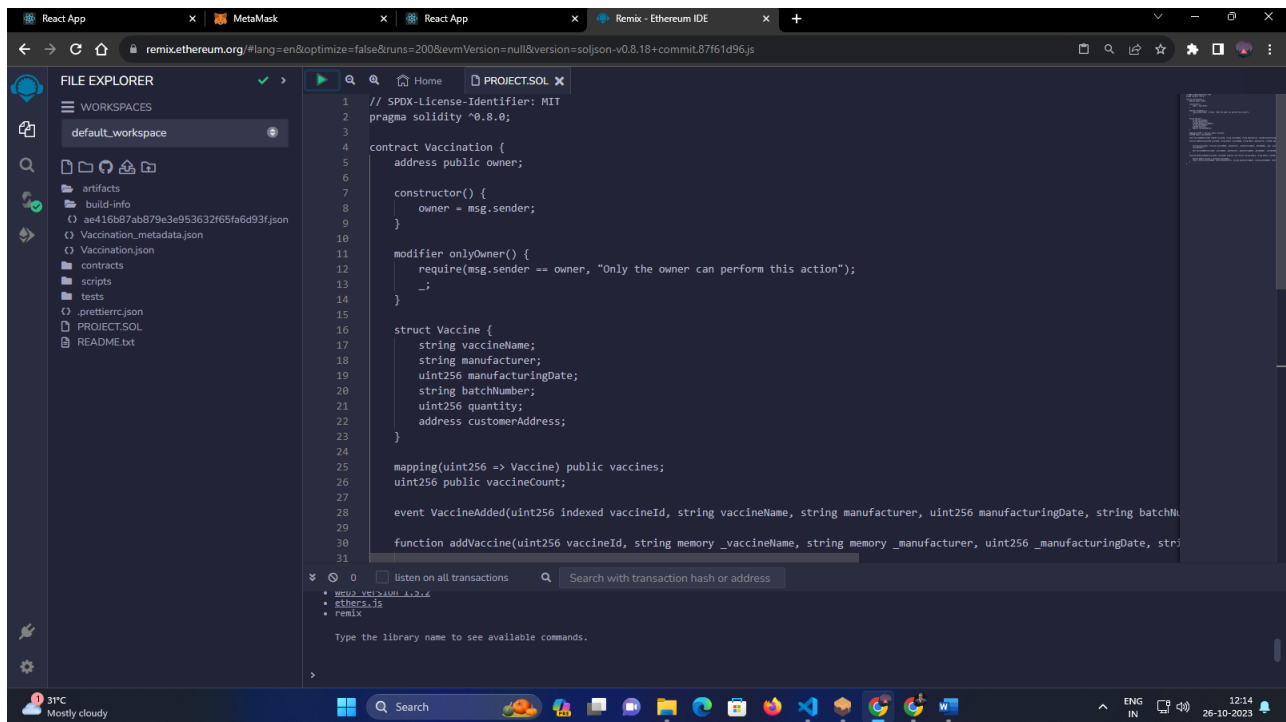
1. Open vs code in the left top select open folder. Select extracted file and open .



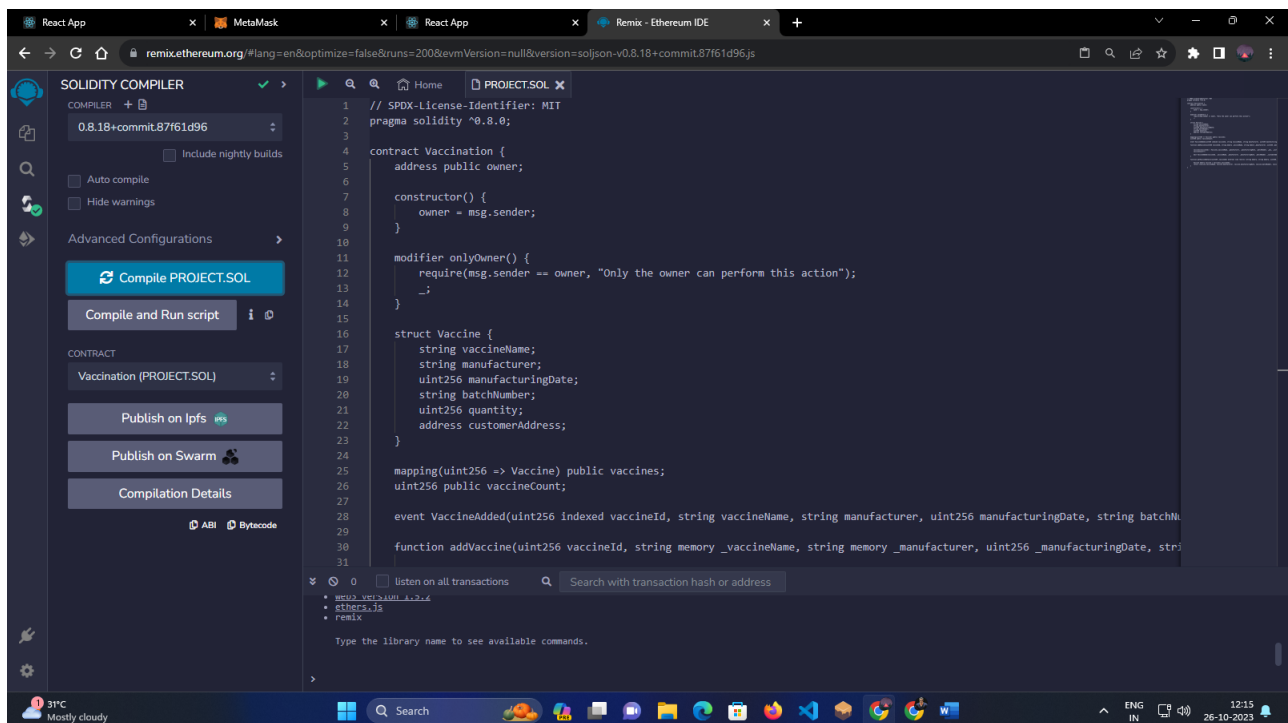
2. Select the projectname.sol file and copy the code.



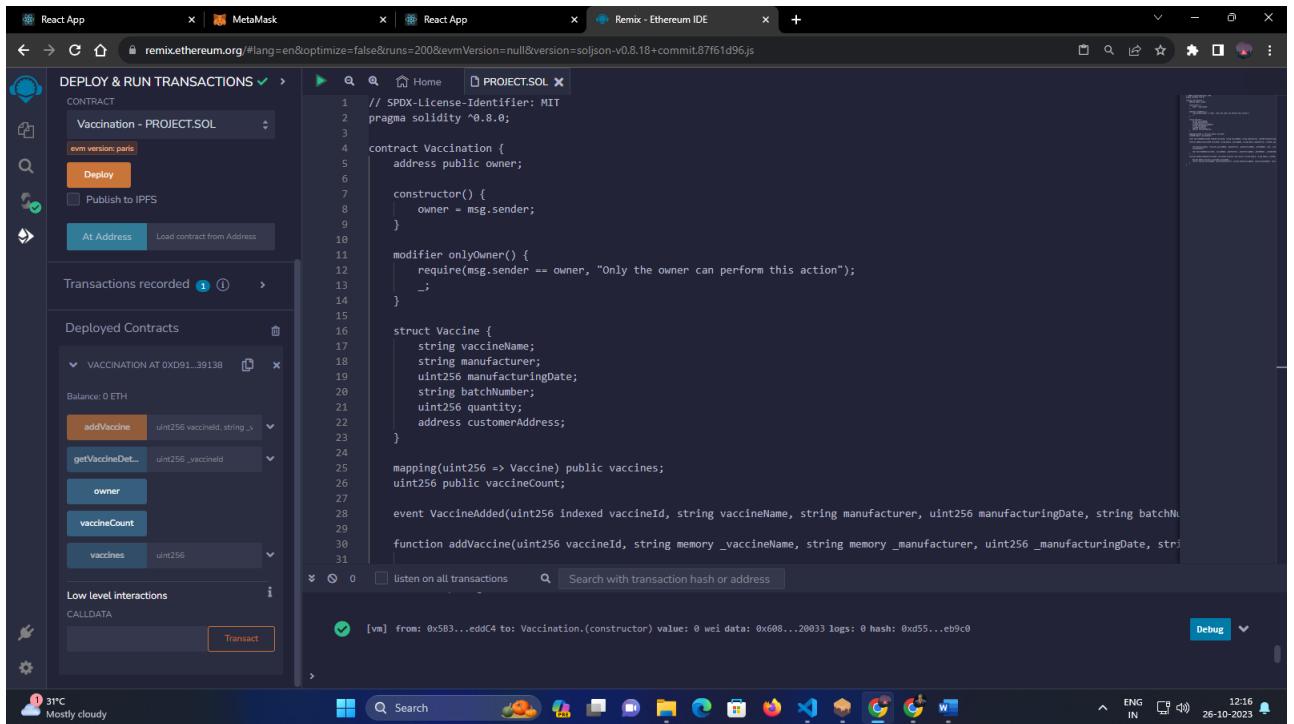
3. Open the remix ide platform and create a new file by giving the name of projectname.sol and paste the code which you copied from vs code.



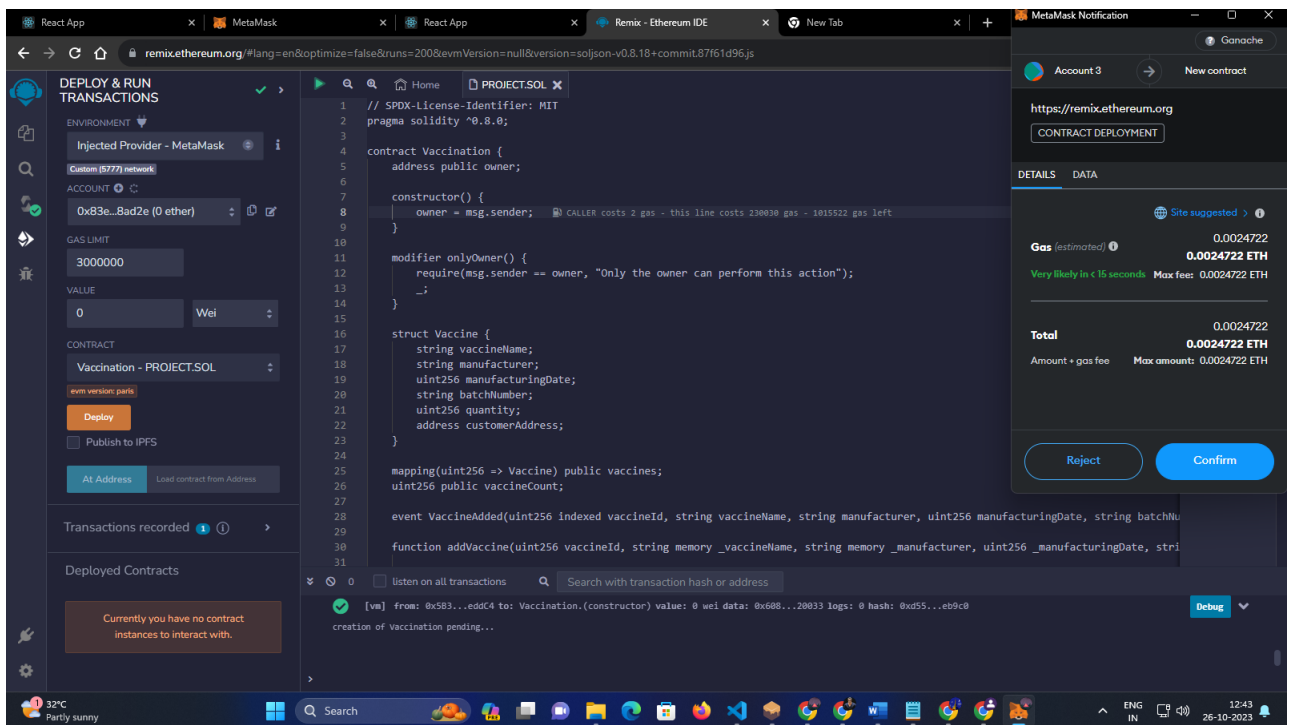
4. Click on solidity compiler and click compile the projectname.sol



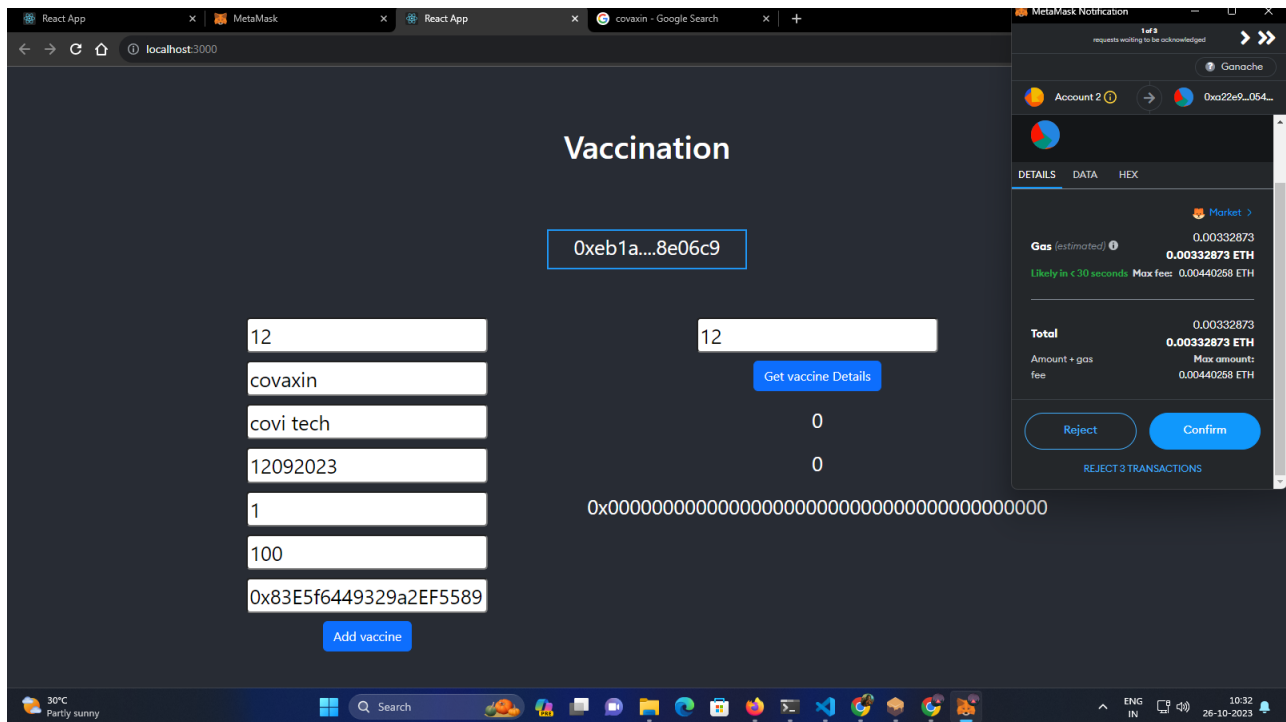
5. Deploy the smart contract by clicking on the deploy and run transaction.



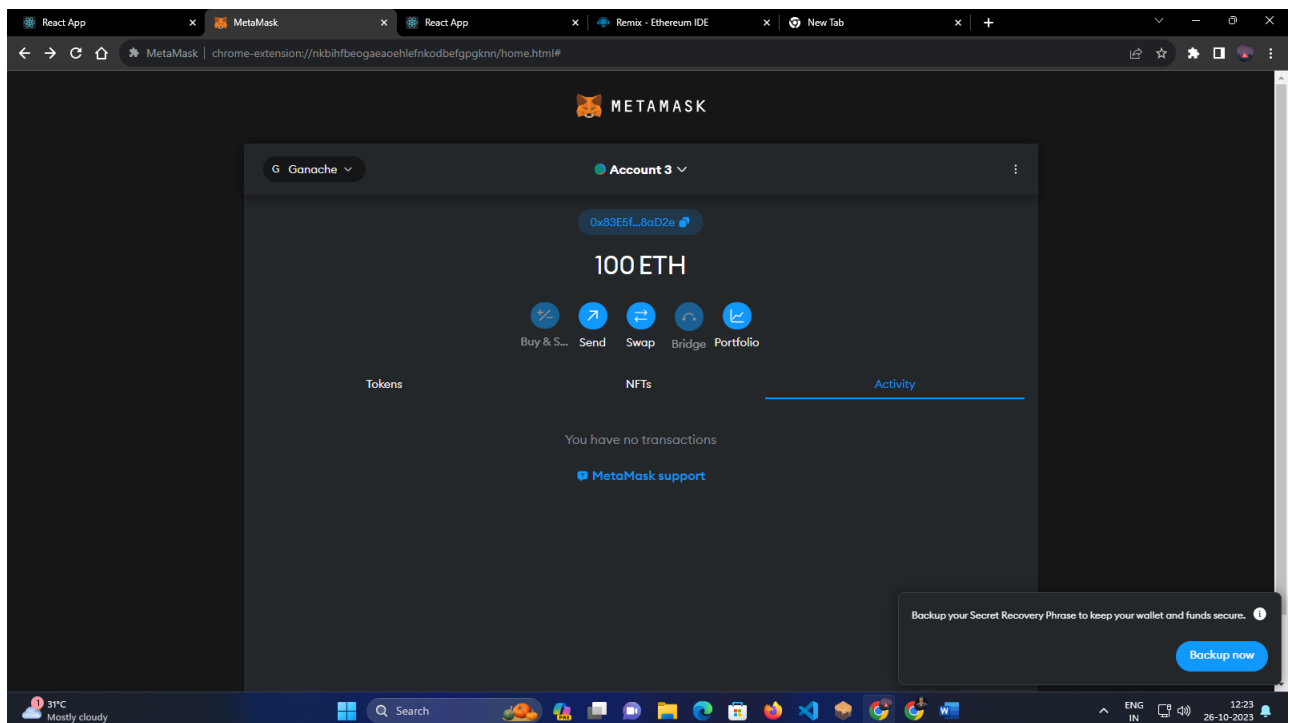
6. select injected provider - MetaMask. In environment



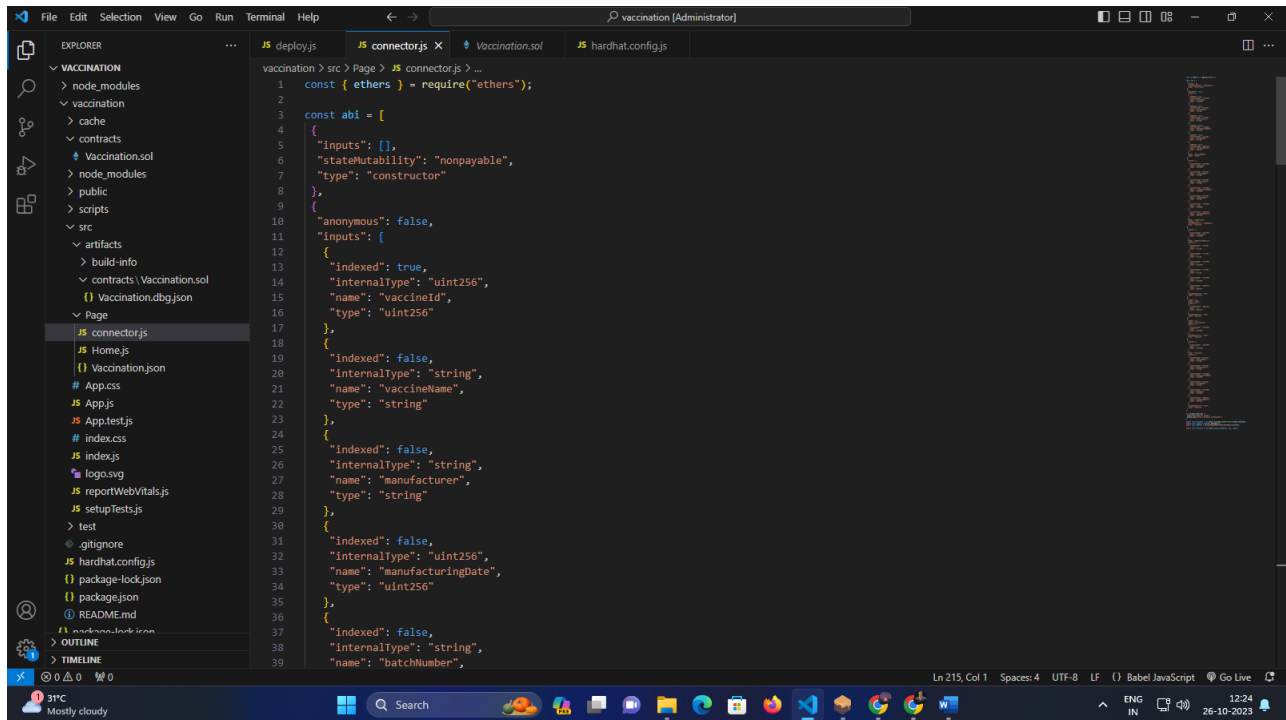
7. Click on deploy. Automatically MetaMask will open and give confirmation. You will get a pop up click on ok.



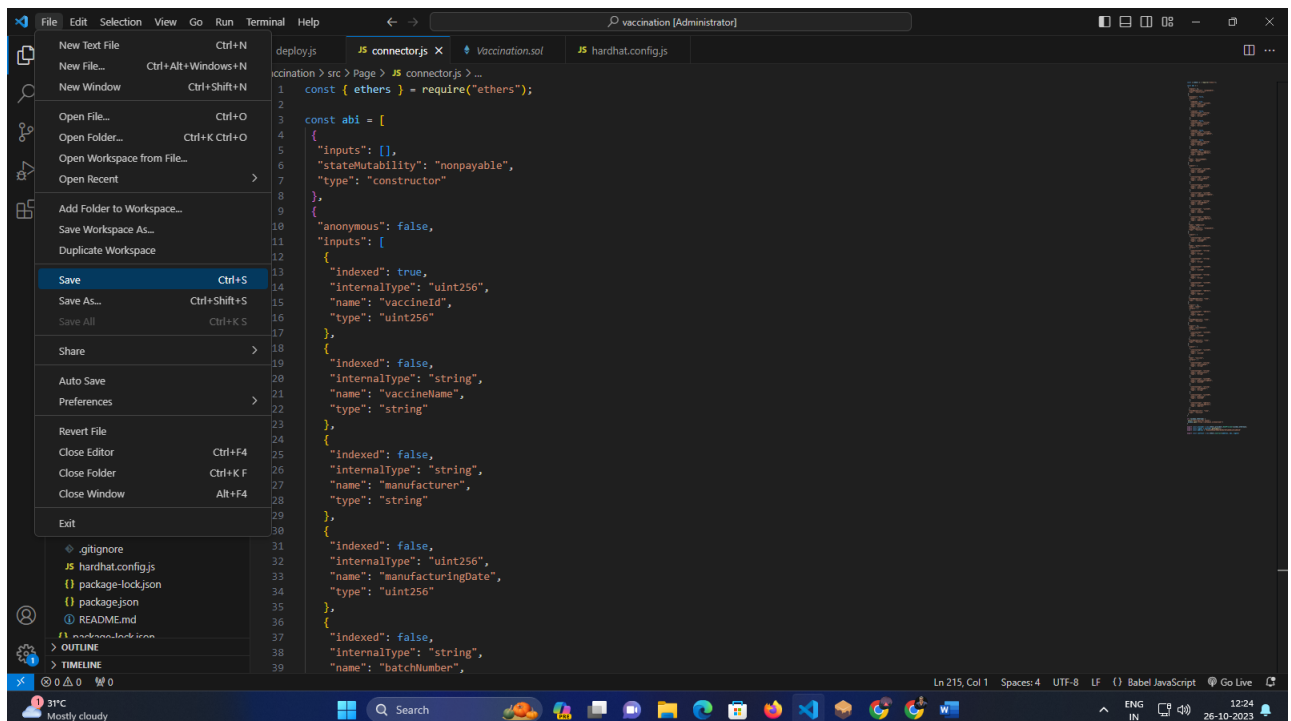
8. In the Deployed contract you can see one address copy the address.



9. Open vs code and search for the connector.js. In contract.js you can paste the address at the bottom of the code. In export const address.



10. Save the code.

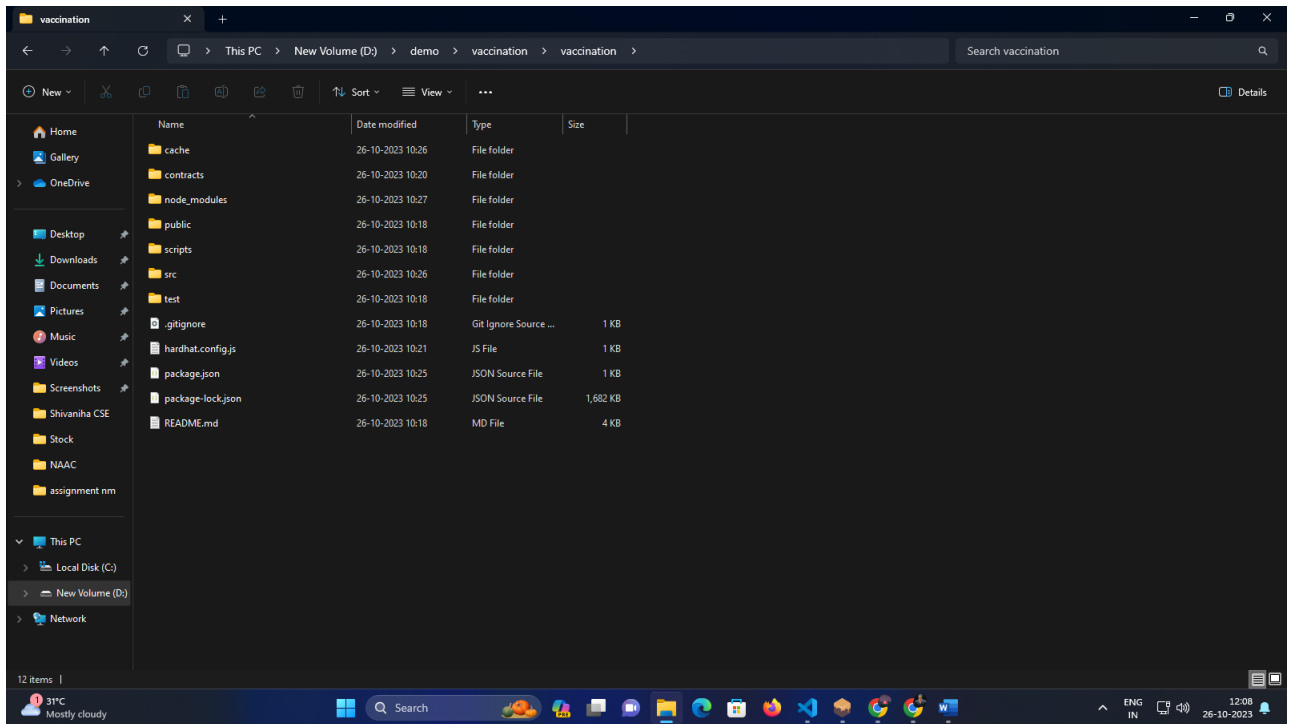


### Step 3:

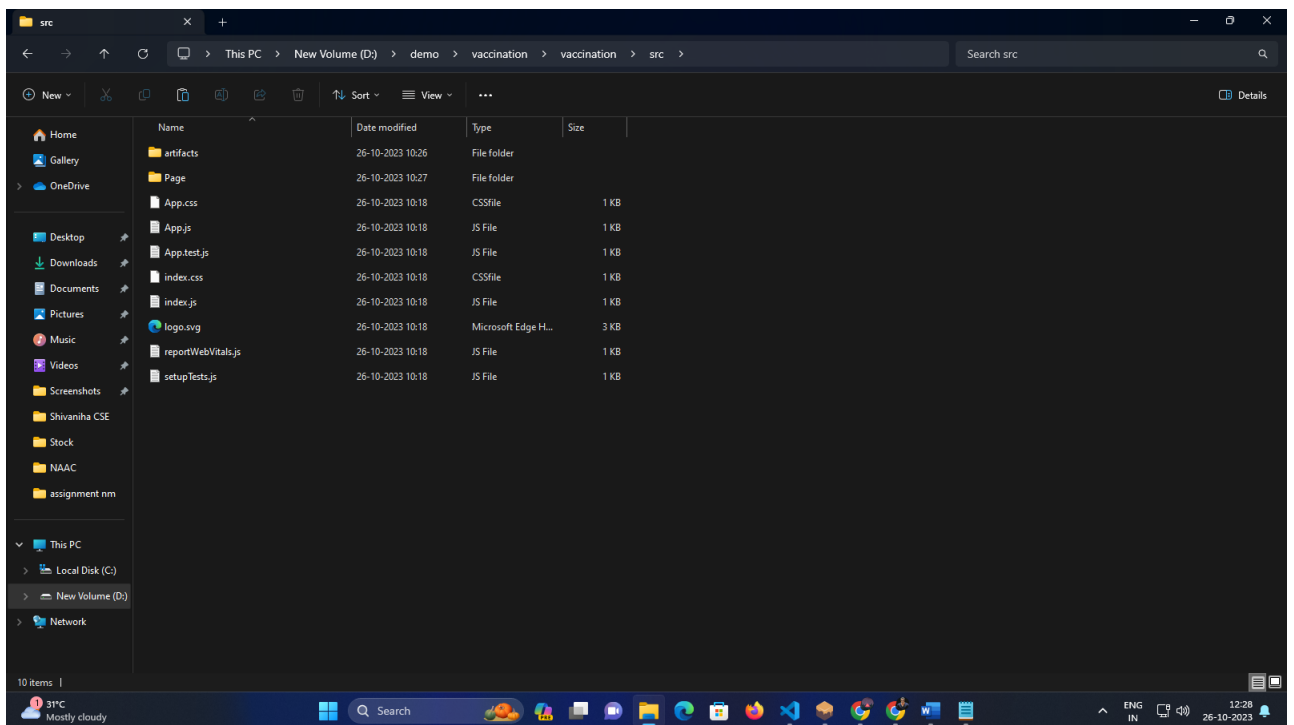
open file explorer

1. Open the extracted file and click on the folder.

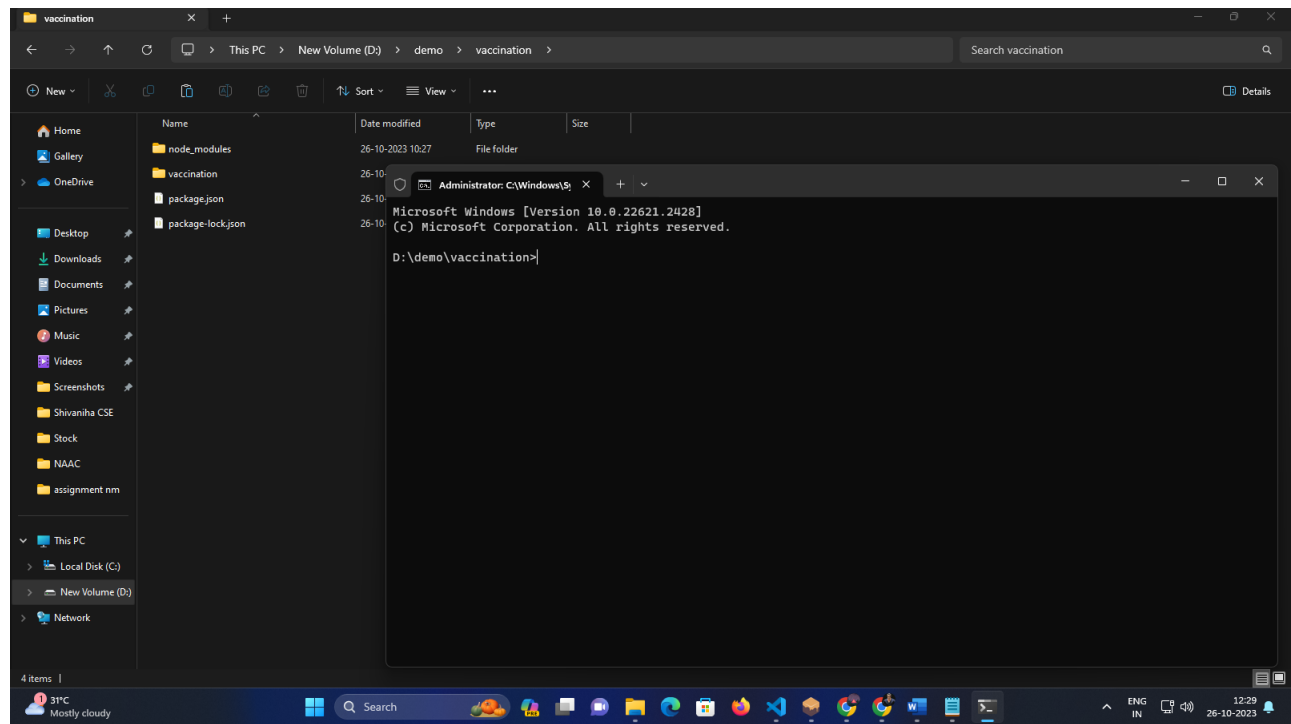




2. Open src, and search for utiles.



3. You can see the frontend files. Select all the things at the top in the search bar by clicking alt+ A. Search for cmd

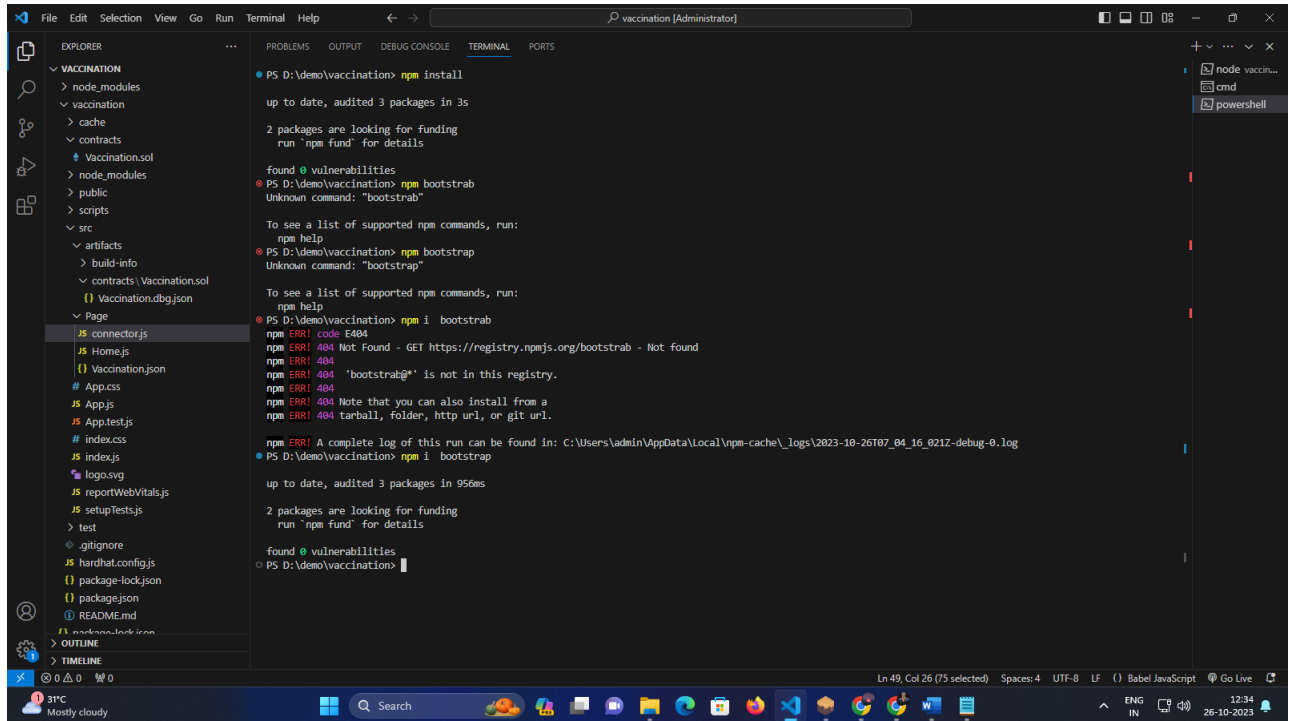


#### 4. Open cmd enter commands

npm install

npm bootstrap

npm start



The screenshot shows a VS Code window with a terminal open. The Explorer pane on the left shows a project structure with files like `connectorjs`, `Homejs`, `Vaccination.json`, `App.css`, `App.js`, `App.test.js`, `index.css`, `index.js`, `logo.svg`, `reportWebVitals.js`, `setupTests.js`, `test`, `.gitignore`, `hardhat.config.js`, `package-lock.json`, `package.json`, and `README.md`. The terminal shows the following commands and output:

```
PS D:\demo\vaccination> npm install
up to date, audited 3 packages in 3s
2 packages are looking for funding
run 'npm fund' for details

found 0 vulnerabilities

PS D:\demo\vaccination> npm bootstrap
Unknown command: "bootstrap"

To see a list of supported npm commands, run:
npm help

PS D:\demo\vaccination> npm bootstrap
Unknown command: "bootstrap"

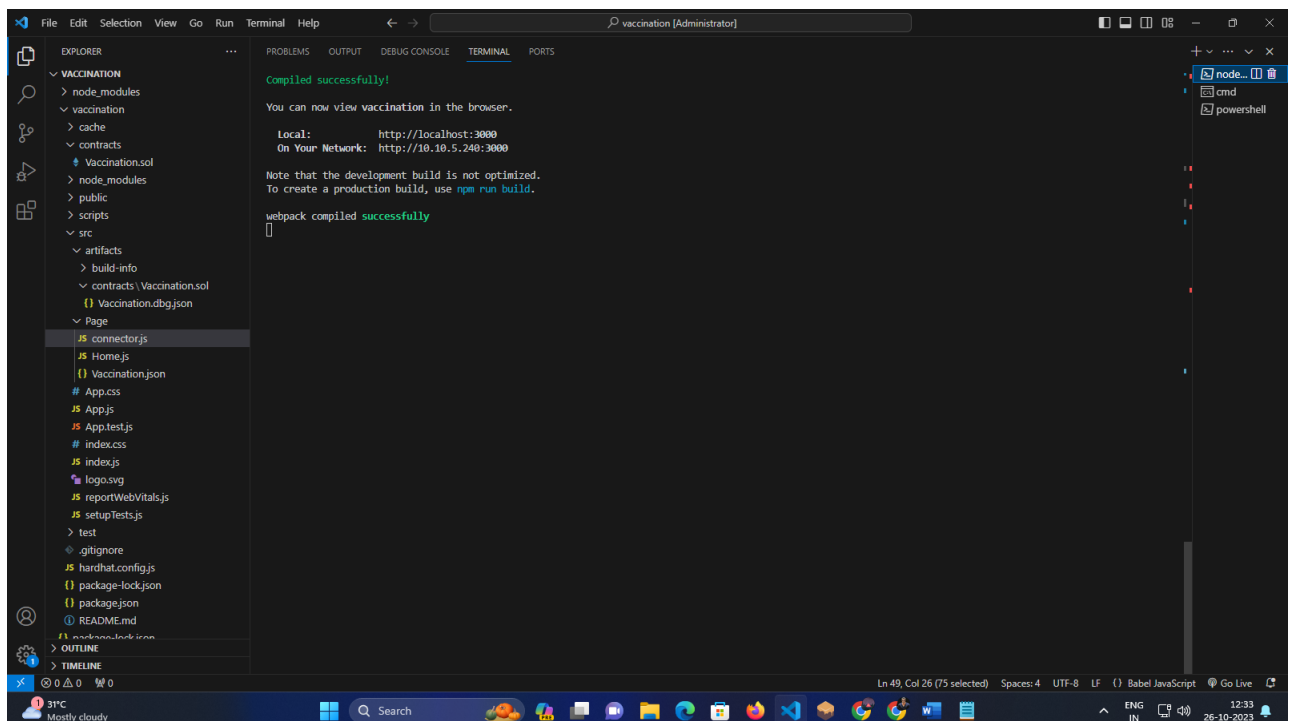
To see a list of supported npm commands, run:
npm help

PS D:\demo\vaccination> npm i bootstrap
npm ERR! code E404
npm ERR! 404 Not Found - GET https://registry.npmjs.org/bootstrap - Not found
npm ERR! 404
npm ERR! 404 'bootstrap@*' is not in this registry.
npm ERR! 404
npm ERR! 404 Note that you can also install from a
npm ERR! 404 tarball, folder, http url, or git url.

npm ERR! A complete log of this run can be found in: C:\Users\admin\AppData\Local\npm-cache\_logs\2023-10-26T07_04_16_021Z-debug-0.log

PS D:\demo\vaccination> npm i bootstrap
up to date, audited 3 packages in 956ms
2 packages are looking for funding
run 'npm fund' for details

found 0 vulnerabilities
PS D:\demo\vaccination>
```



The screenshot shows the same VS Code window with the terminal displaying the output of the `npm start` command. The output indicates that the application has been compiled successfully and is now running on a development server.

```
Compiled successfully!

You can now view vaccination in the browser.

Local:      http://localhost:3000
On Your Network: http://10.10.5.240:3000

Note that the development build is not optimized.
To create a production build, use npm run build.

webpack compiled successfully
```

5. It will install all the packages and after completing it will open {LOCALHOST IP ADDRESS} copy the address and open it to chrome so you can see the frontend of your project.

