Project Design Phase-I

Solution Architecture

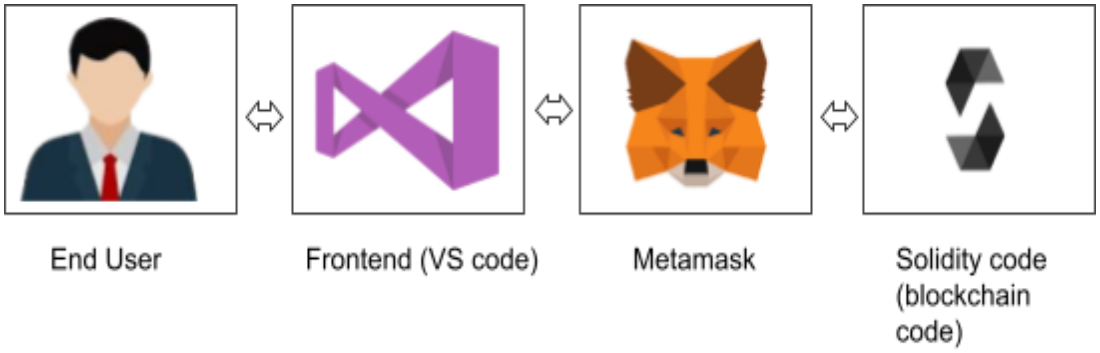
Date	26 october 2023
Team ID	0FA497ABA4E81279A0A48BE37CD3D5B2
Project Name	Vaccine Tracking-Transparent Using blockchain
Maximum Marks	4 Marks

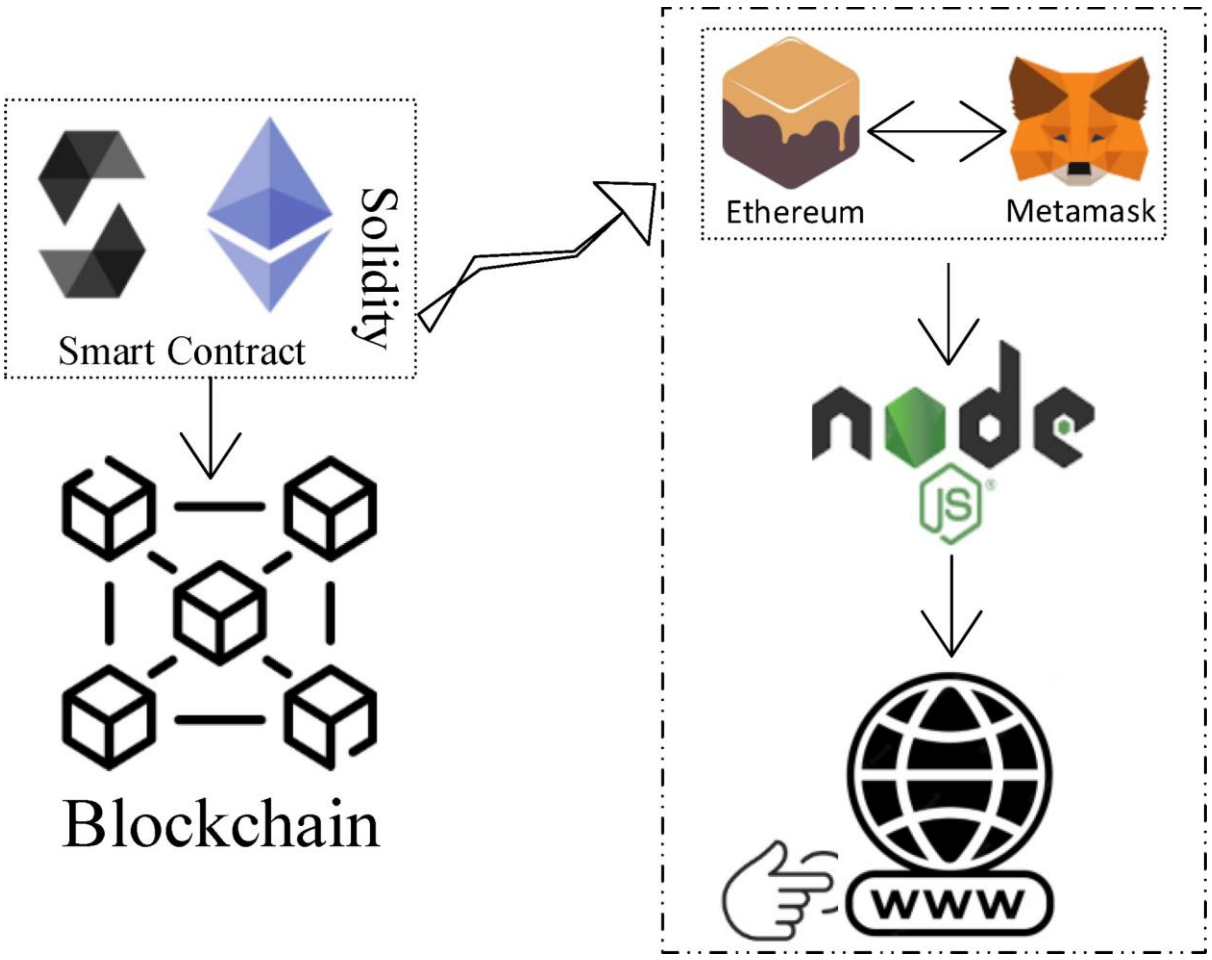
Solution Architecture:

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

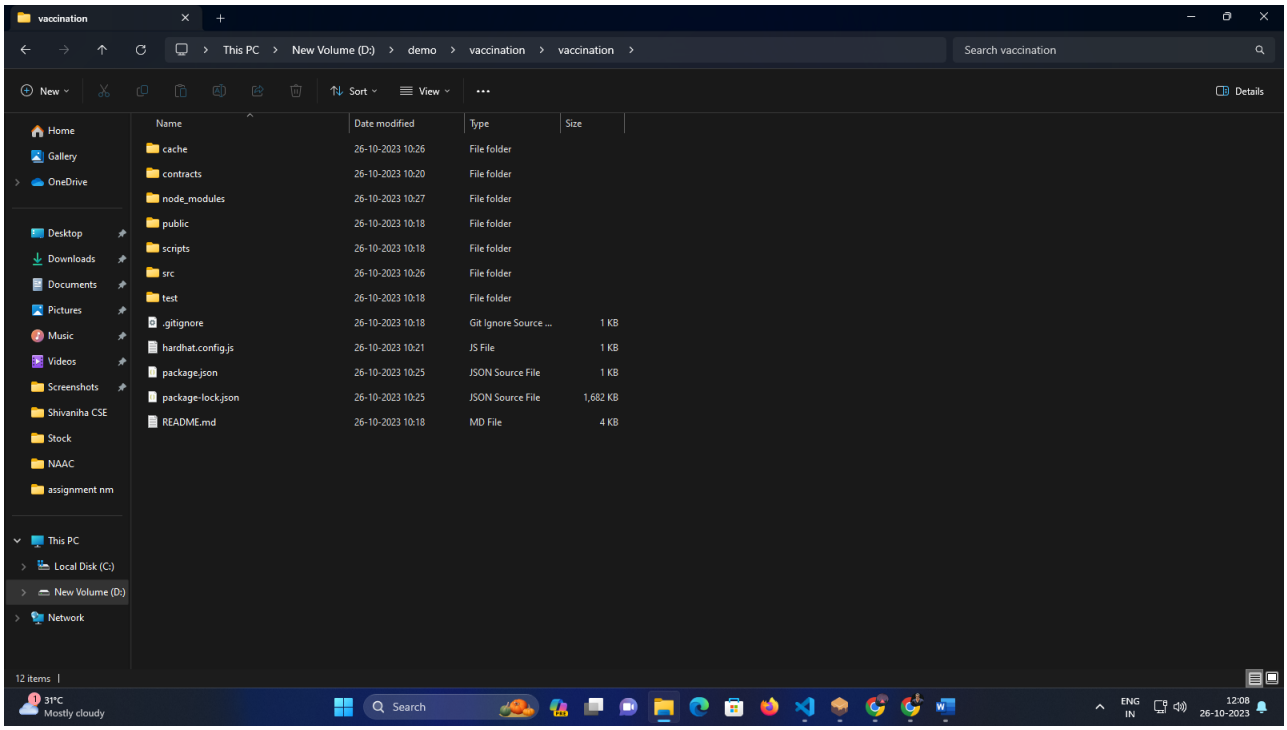
2 download vs code: **Li4nk**

3 download metamask : https://metamask.io/

Steps to complete the project

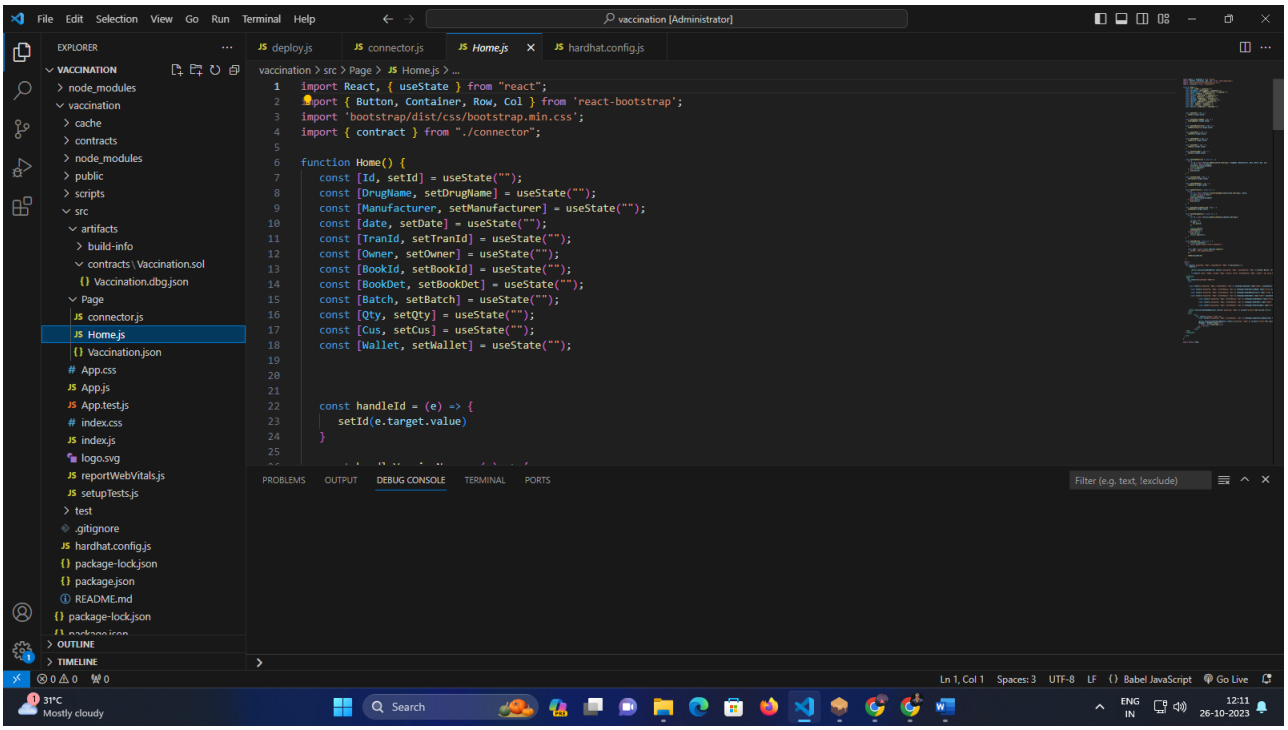
Step 1:-

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

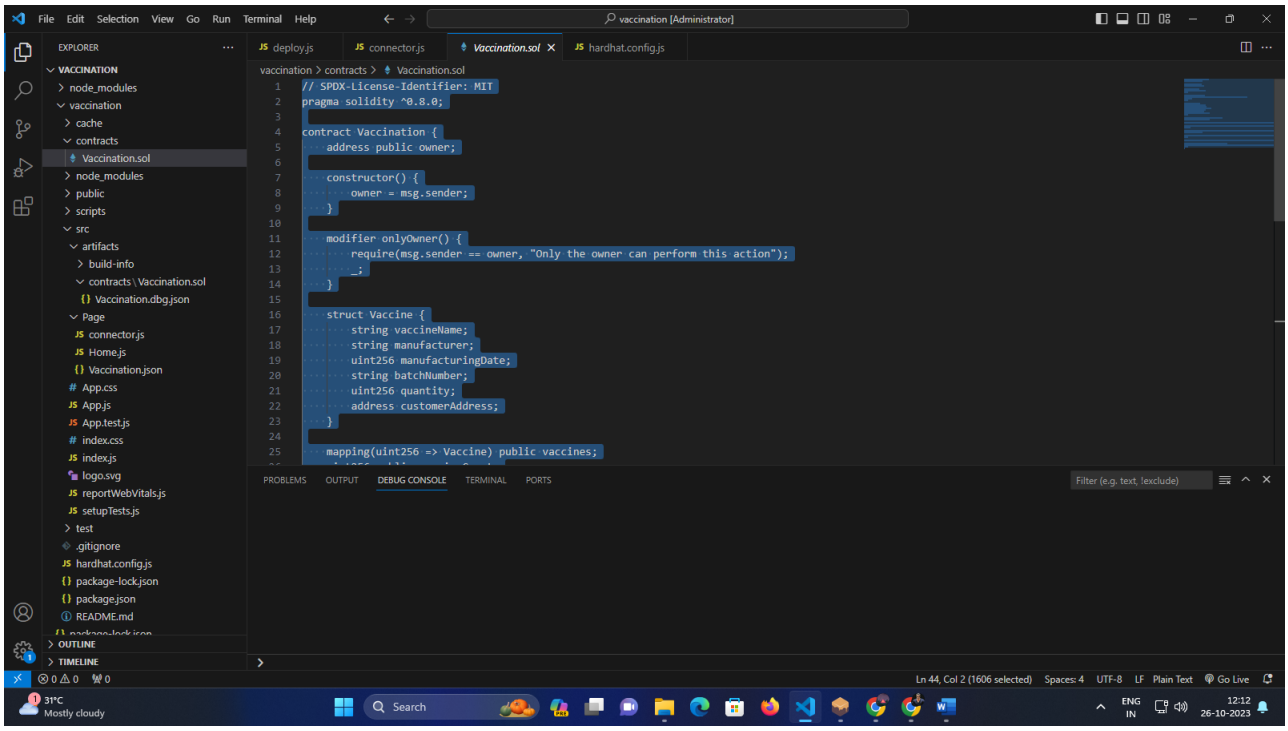


Step 2 :

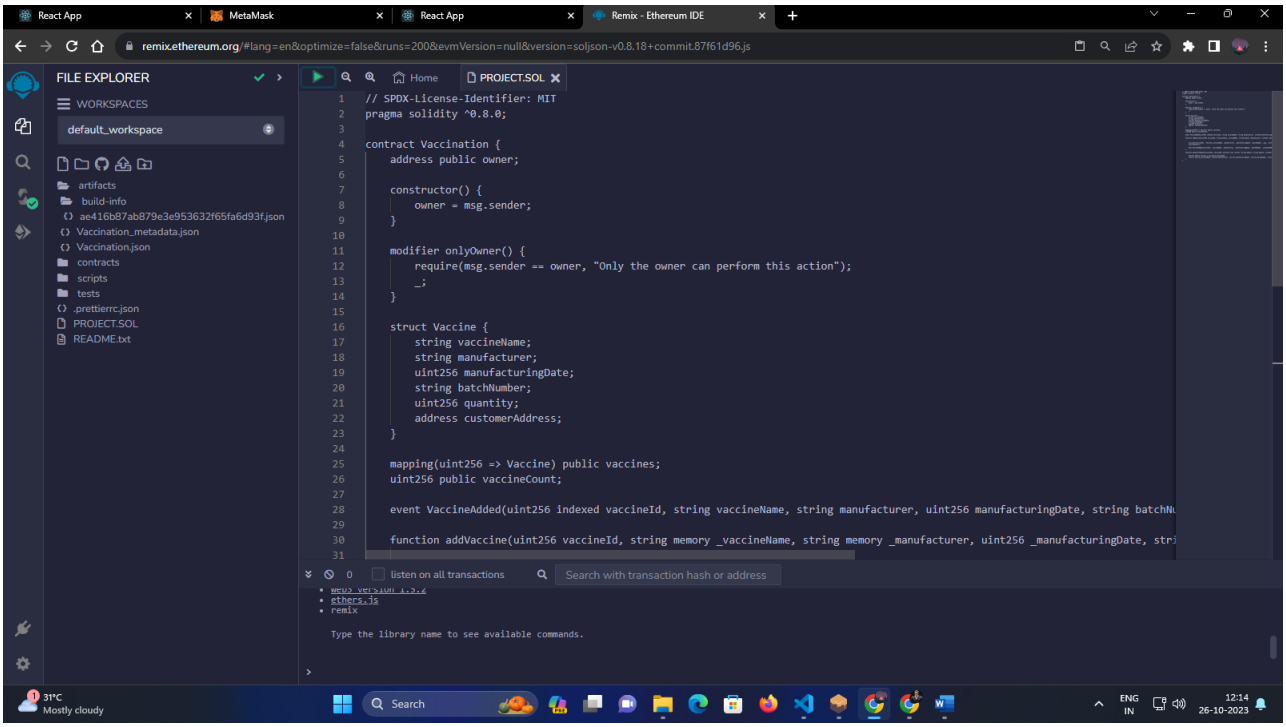
1.Open vs code in the left top select open folder. Select extracted file and open .



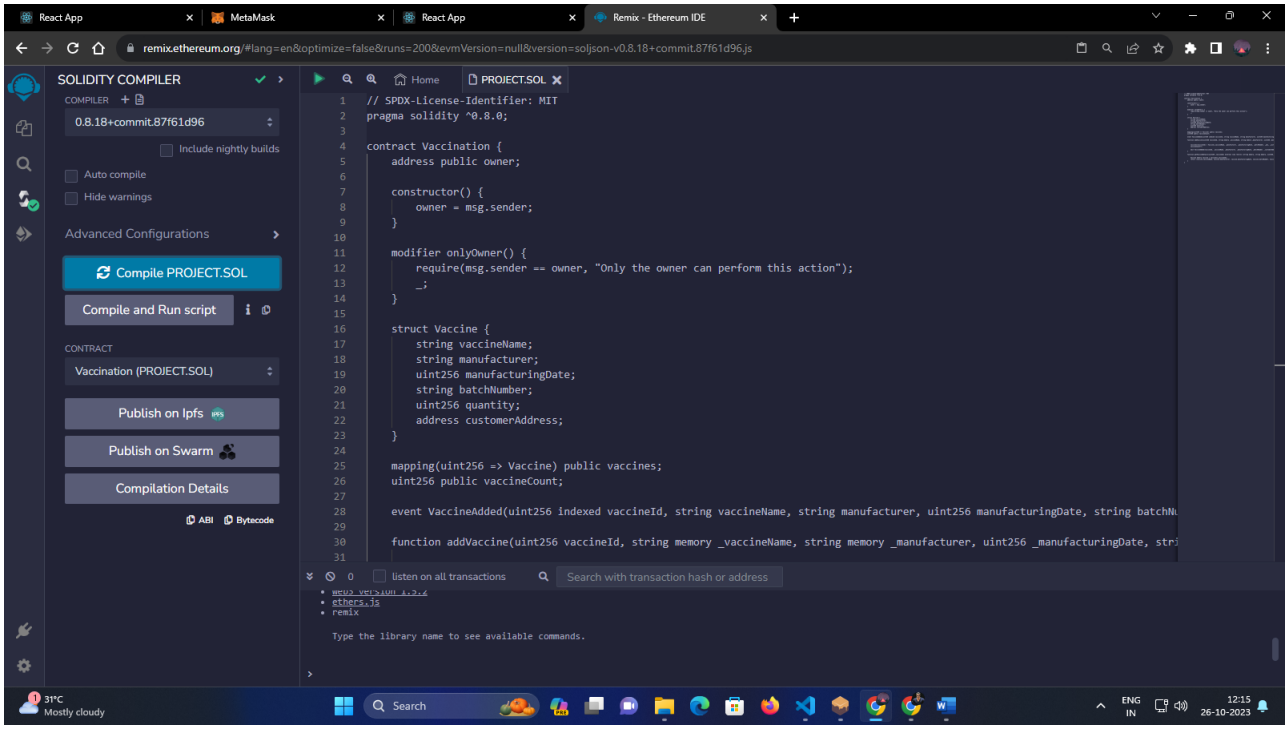
2. Select the projectname.sol file and copy the code.



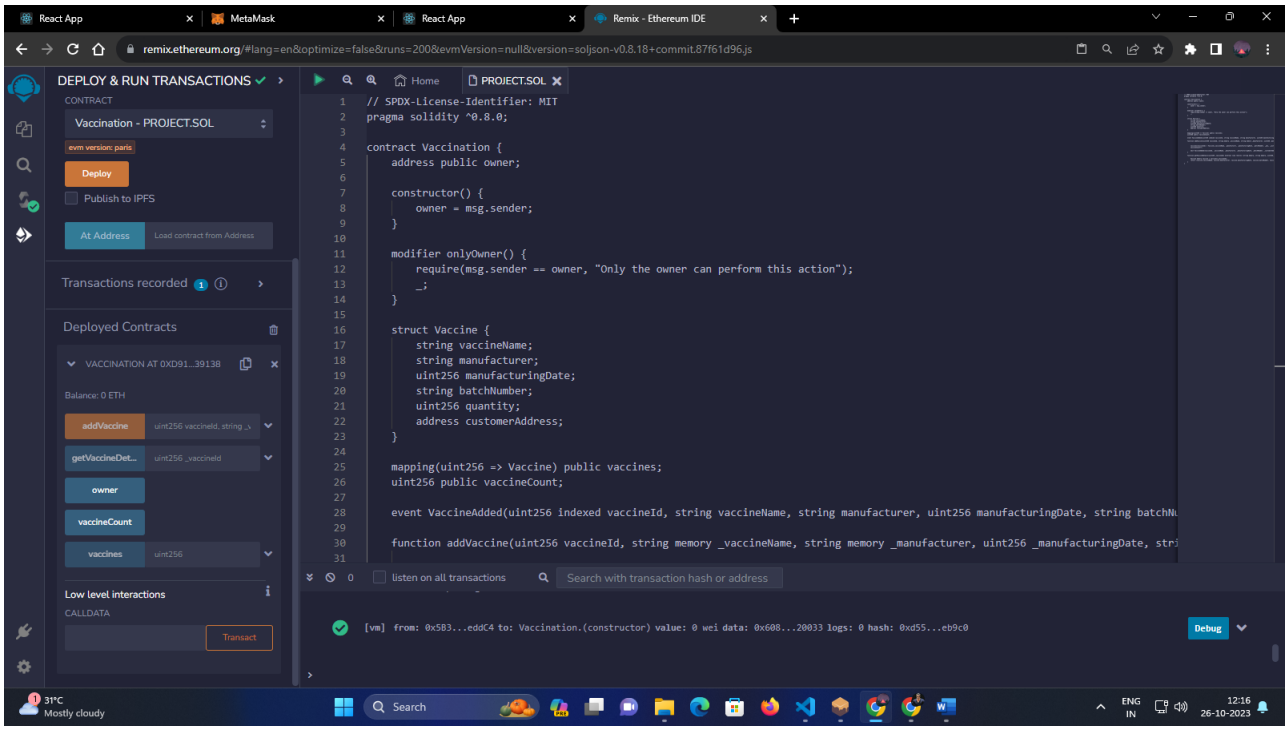
3. Open the remix ide platform and create a new file by giving the name of projectname.sol and paste the code which you copied from vs code.



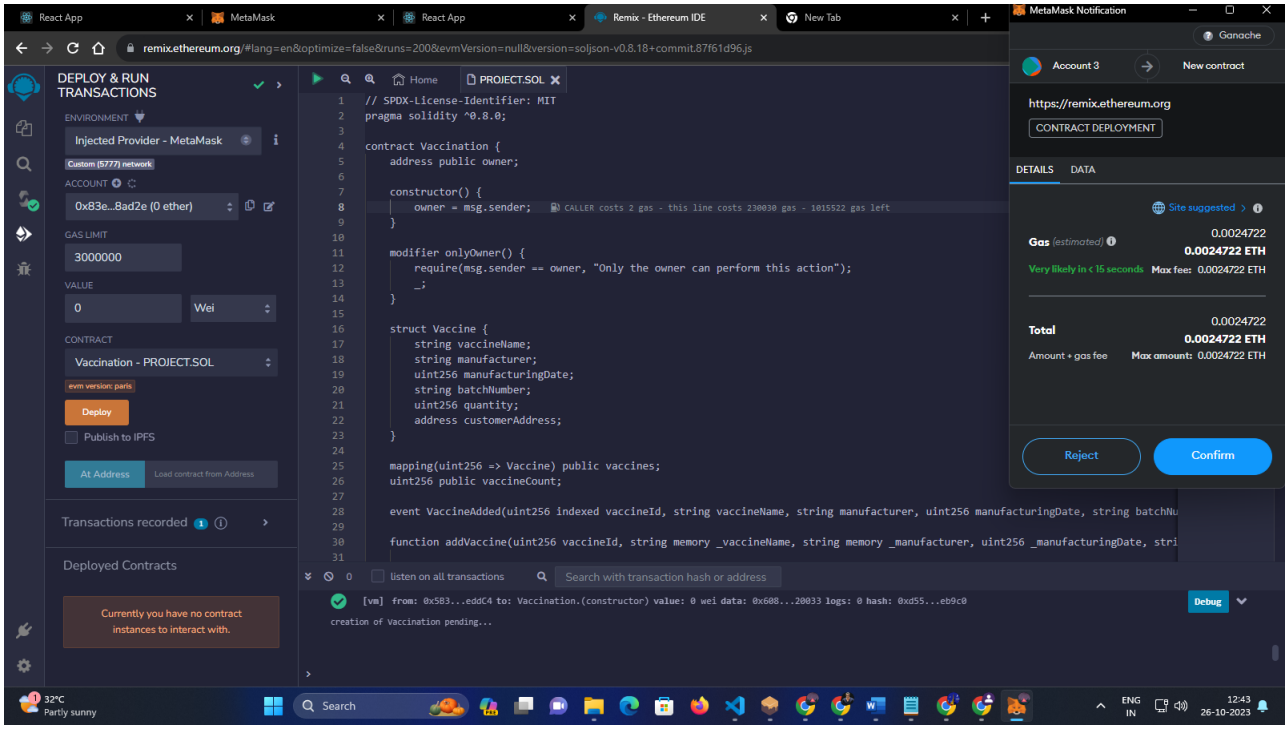
4. Click on solidity compiler and click compile the projectname.sol



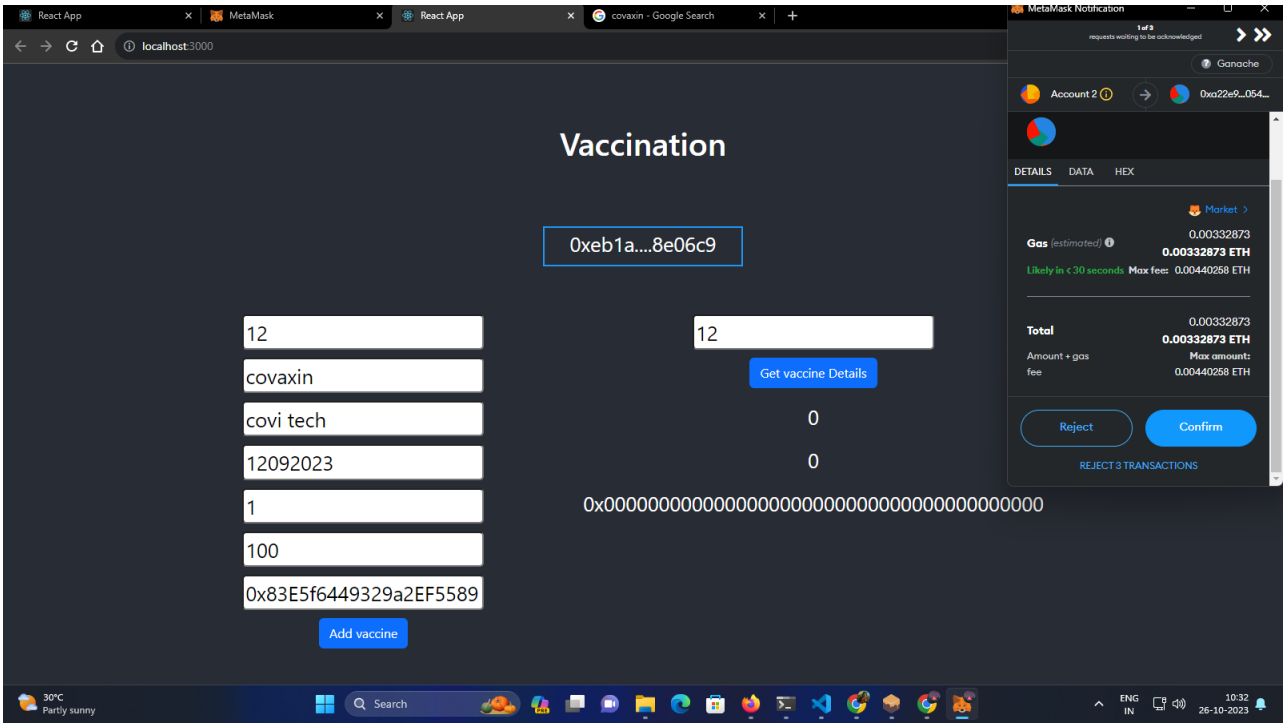
5. Deploy the smart contract by clicking on the deploy and run transaction.



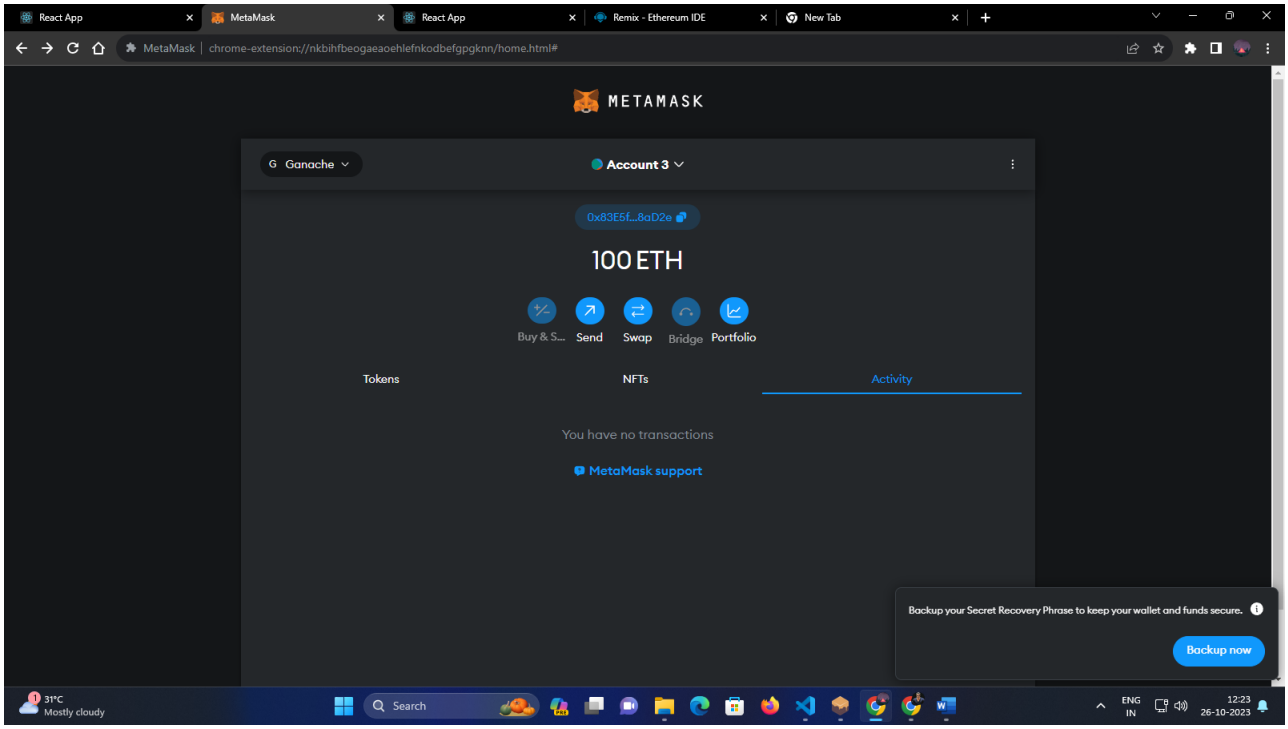
6. select injected provider - MetaMask. In environment



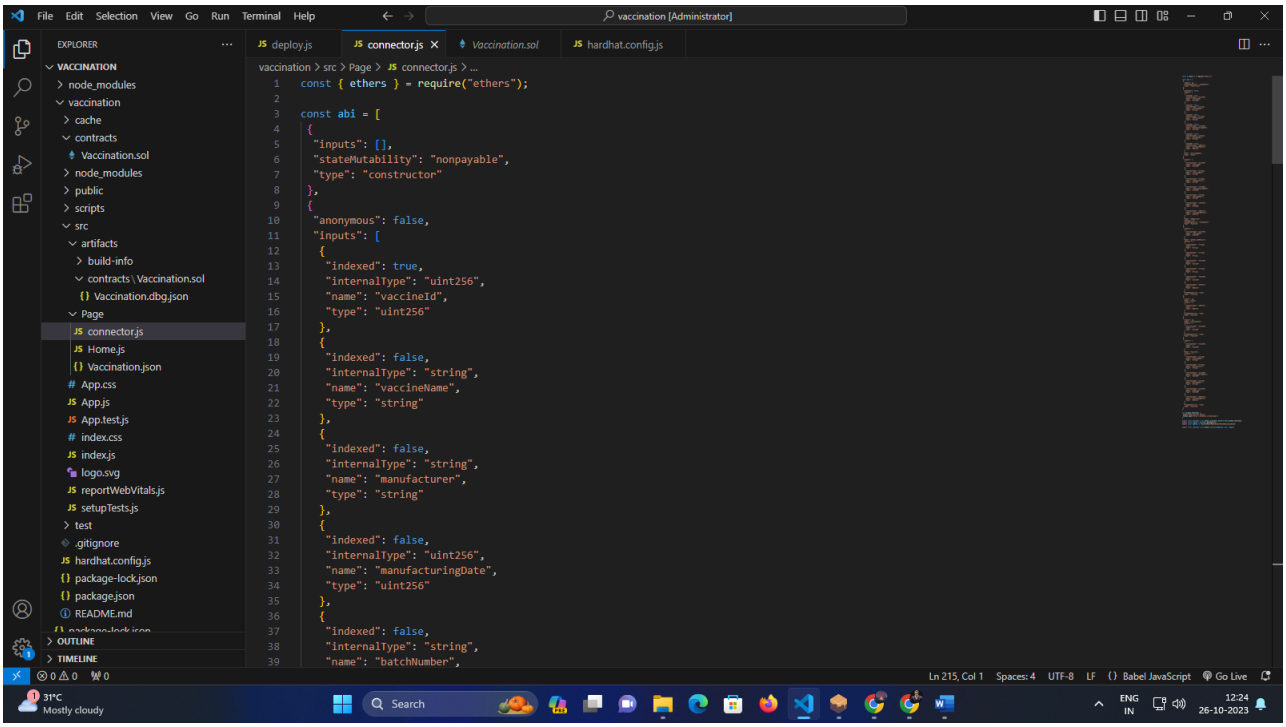
7. Click on deploy. Automatically MetaMask will open and give confirmation. You will get a pop up click on ok.



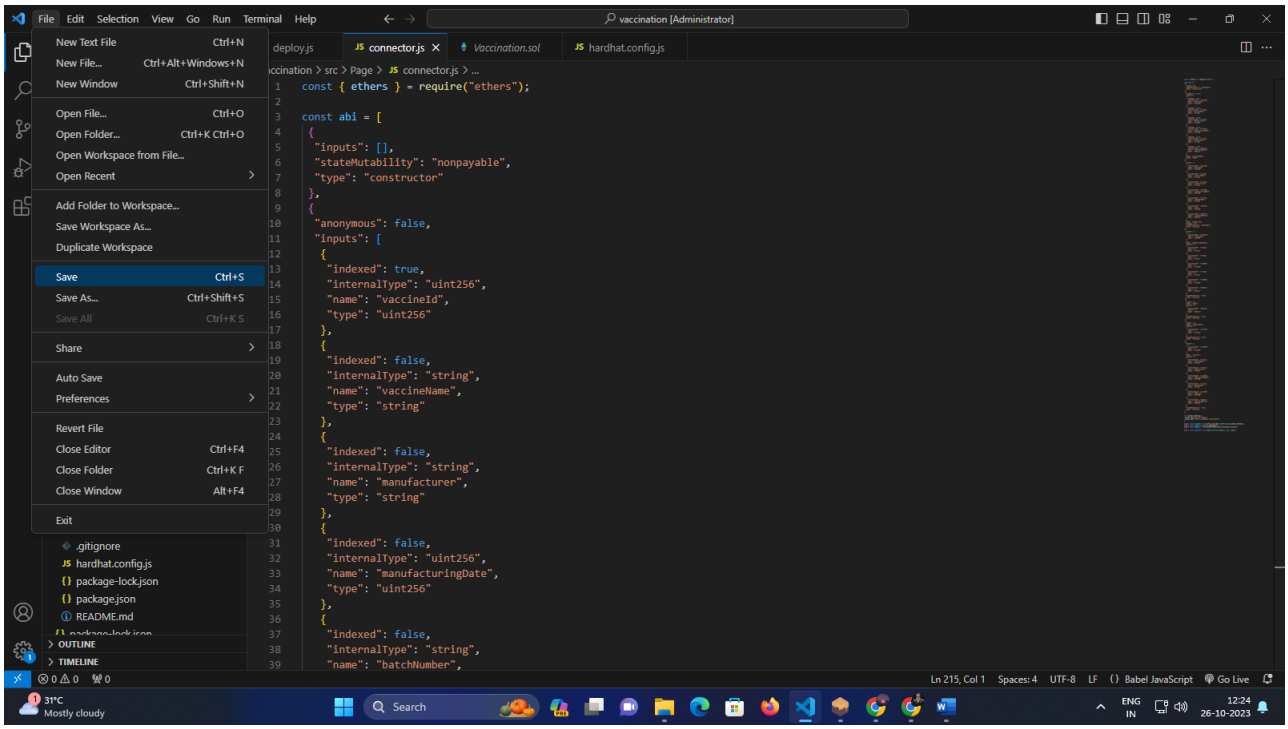
8. In the Deployed contract you can see one address copy the address.



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.



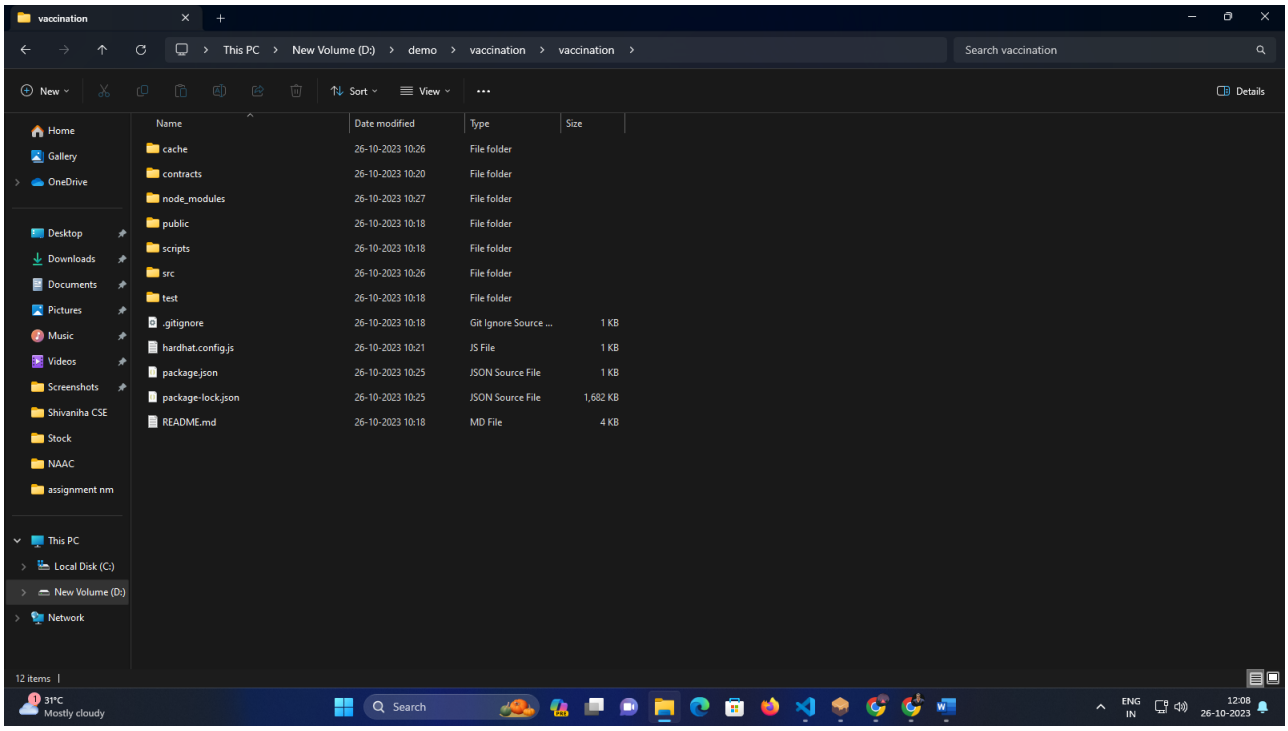
10. Save the code.



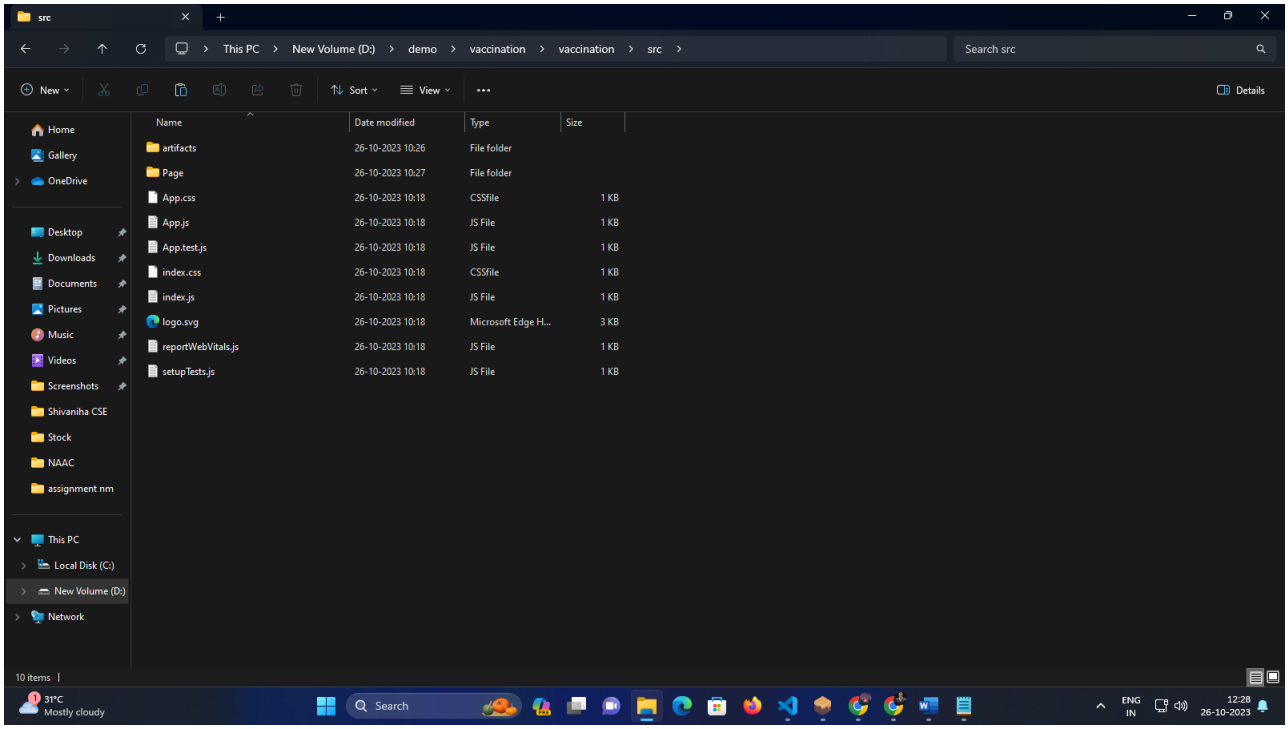
Step 3:

open file explorer

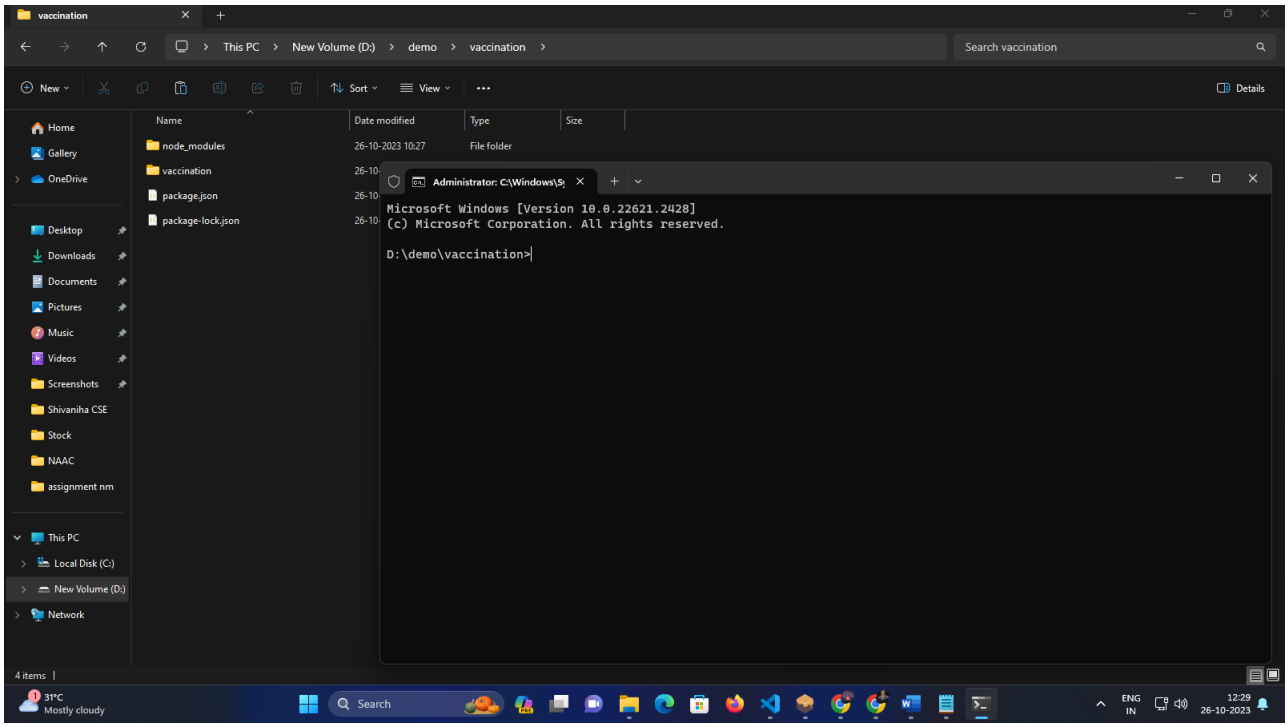
1. Open the extracted file and click on the folder.



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

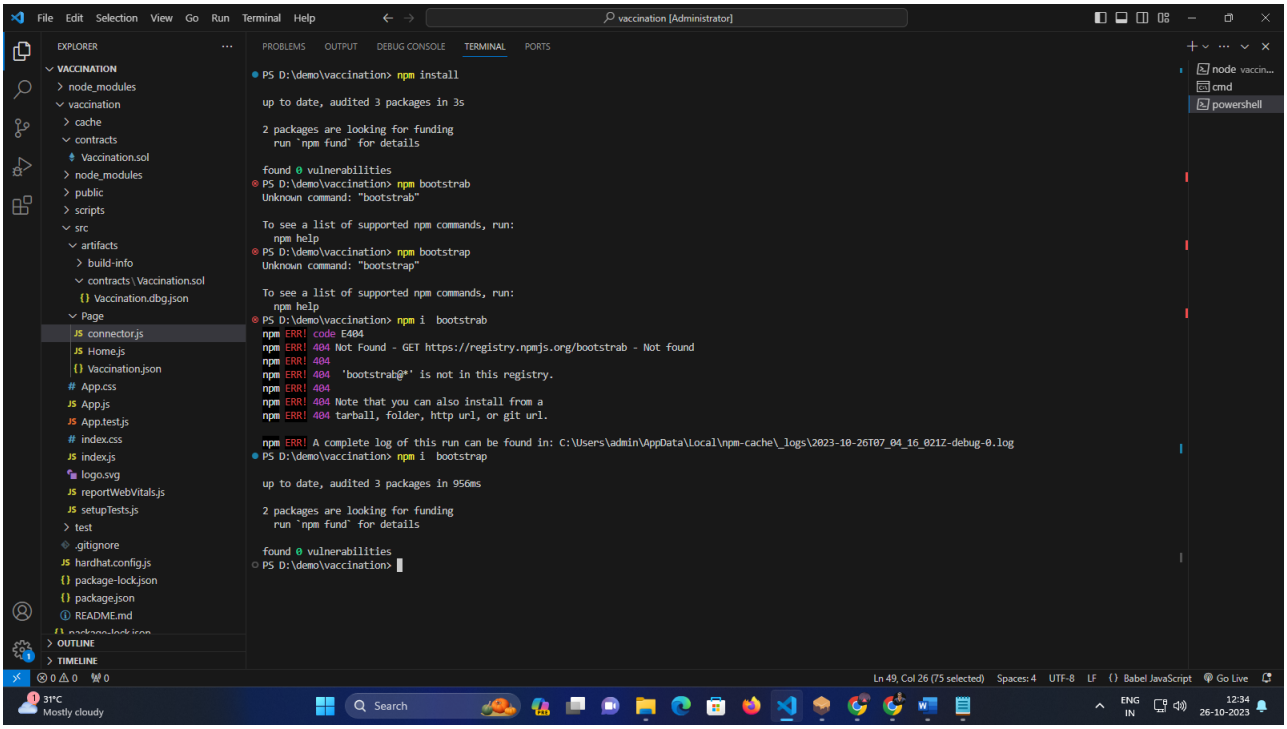

vaccination
This PC
New Volume (D:)
demo
vaccination
Search vaccination
New
Sort
View
Details
Home
Gallery
OneDrive
Desktop
Downloads
Documents
Pictures
Music
Videos
Screenshots
Shivaniha CSE
Stock
NAAC
assignment nm
This PC
Local Disk (C:)
New Volume (D:)
Network
Name
Date modified
Type
Size
node_modules
26-10-2023 10:27
File folder
vaccination
package.json
package-lock.json
Administrator: C:\Windows\S
Microsoft Windows [Version 10.0.22621.2428]
(c) Microsoft Corporation. All rights reserved.
D:\demo\vaccination>
4 items
31°C
Mostly cloudy
Search
ENG
IN
12:29
26-10-2023

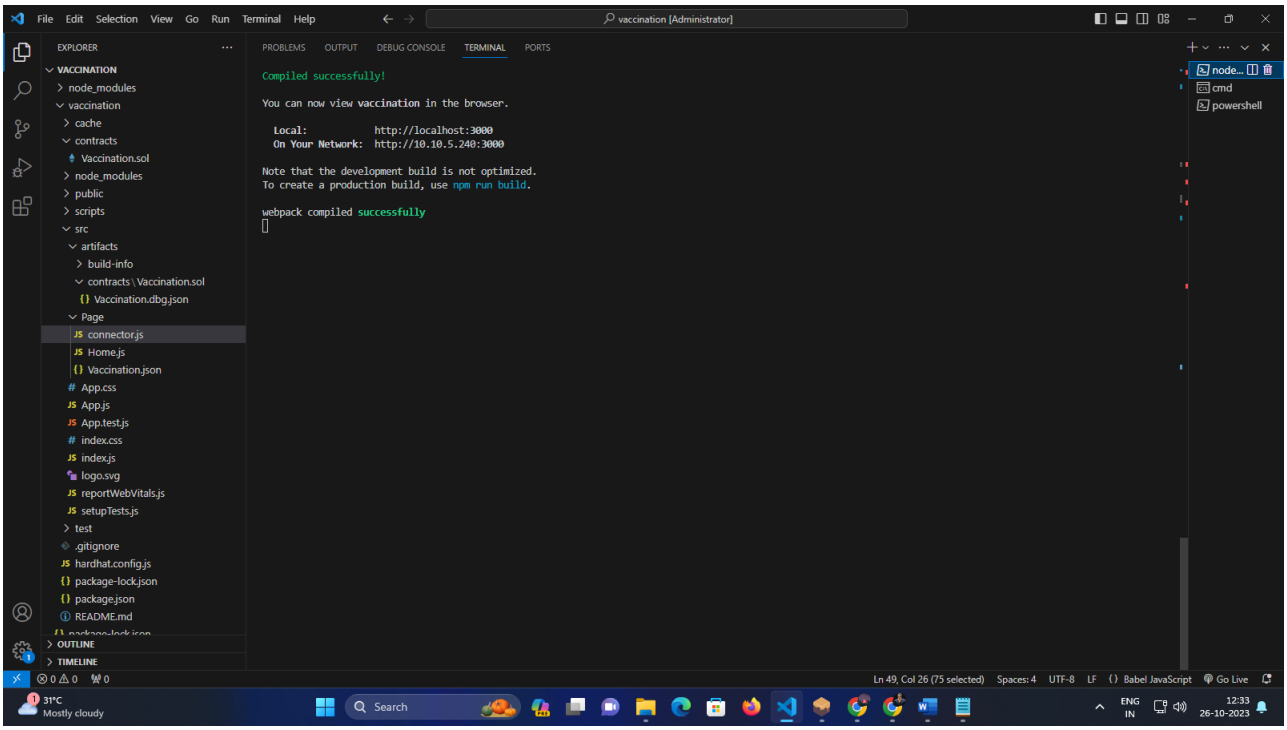
4. Open cmd enter commands

npm install

npm bootstrap

npm start





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.