Project Development Phase

Model Performance Test

Date	3-11-2023
Team ID	NM2023TMID04519
Project Name	Central Bank Smart Contract

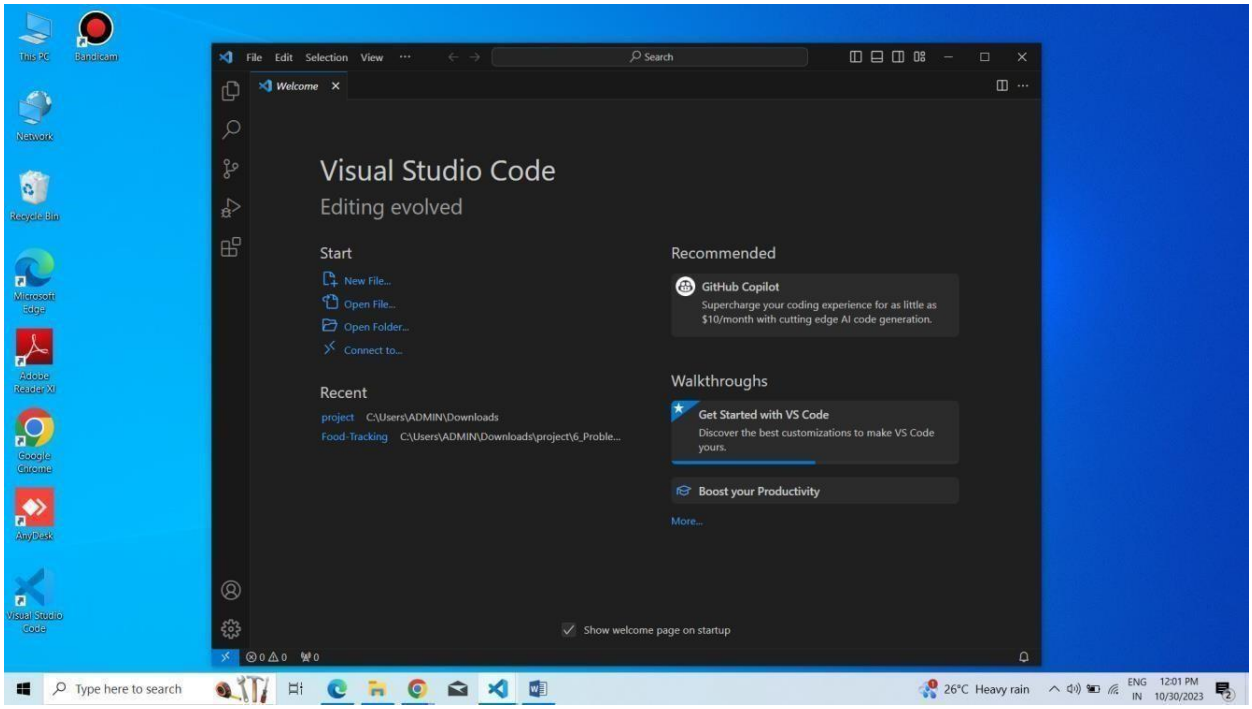
Model Performance Testing:

Project team shall fill the following information when working for blockchain.

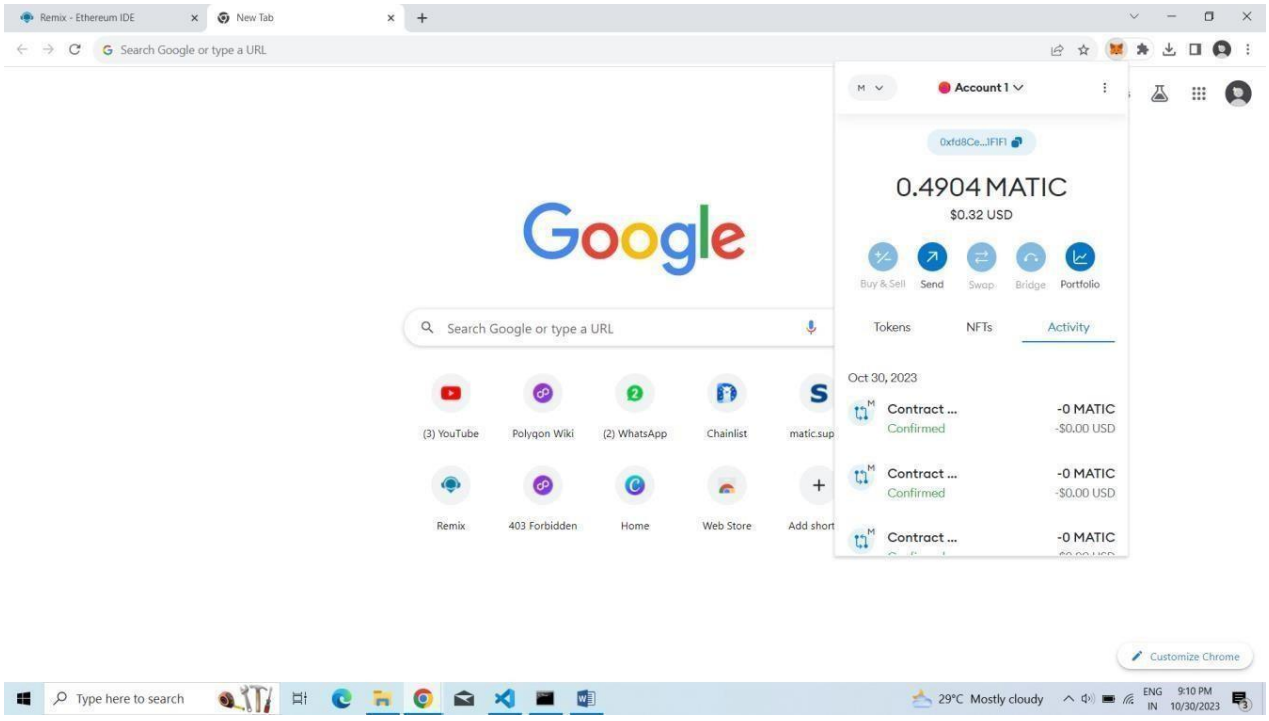
S.No.	Parameter	Values	Screenshot
1.	Information gathering	Setup all the Prerequisite:	Refer below
2.	Extract the zip files	Open to vs code	Refer below

3.	Remix Ide platform explorting	Deploy the smart contract code Deploy and run the transaction. By selecting the environment - inject the MetaMask.	Refer below
4	Open file explorer	Open the extracted file and click on the folder. Open src, and search for utiles. Open cmd enter commands 1. npm install 2. npm bootstrap 3. npm start	Refer below
5	{LOCALHOST IP ADDRESS	copy the address and open it to chrome so you can see the front end of your project.	Refer below

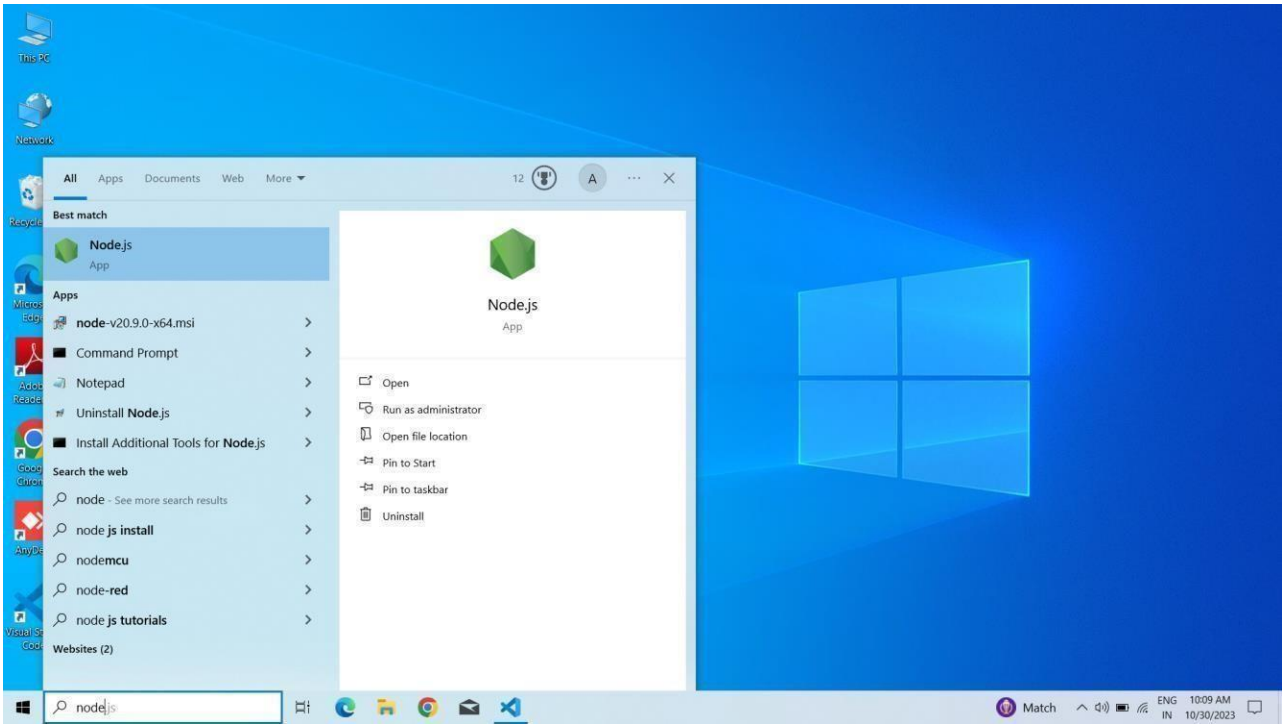
1. Vscode



Meta Mask



Node js


All
Apps
Documents
Web
More
Best match
Node.js
App
Apps
node-v20.9.0-x64.msi
Command Prompt
Notepad
Uninstall Node.js
Install Additional Tools for Node.js
Search the web
node - See more search results
node js install
nodemcu
node-red
node js tutorials
Websites (2)
Open
Run as administrator
Open file location
Pin to Start
Pin to taskbar
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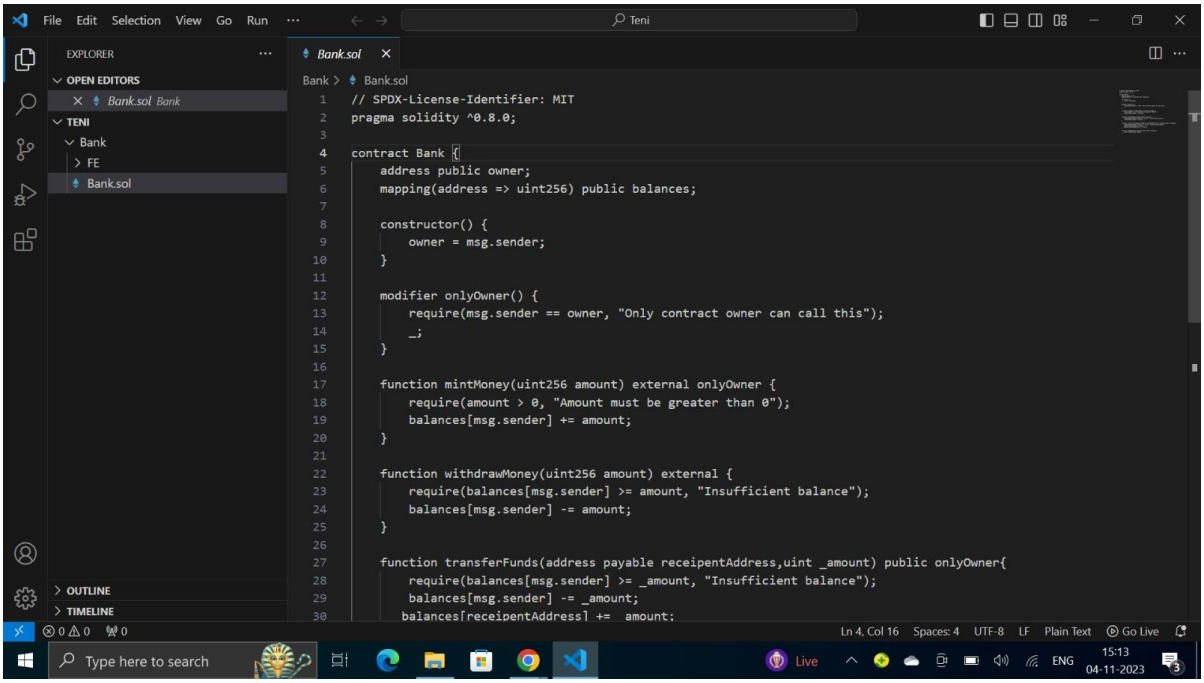
2.


File Edit Selection View Go Run
Teni
EXPLORER
OPEN EDITORS
Bank.sol Bank
TENI
Bank
FE
Bank.sol
OUTLINE
TIMELINE
Bank.sol
Bank > Bank.sol
// SPDX-License-Identifier: MIT
pragma solidity ^0.8.0;
contract Bank {
address public owner;
mapping(address => uint256) public balances;
constructor() {
owner = msg.sender;
}
modifier onlyOwner() {
require(msg.sender == owner, "Only contract owner can call this");
_;
}
function mintMoney(uint256 amount) external onlyOwner {
require(amount > 0, "Amount must be greater than 0");
balances[msg.sender] += amount;
}
function withdrawMoney(uint256 amount) external {
require(balances[msg.sender] >= amount, "Insufficient balance");
balances[msg.sender] -= amount;
}
function transferFunds(address payable receipentAddress,uint _amount) public onlyOwner{
require(balances[msg.sender] >= _amount, "Insufficient balance");
balances[msg.sender] -= _amount;
balances[receipentAddress] += amount;
Ln 4, Col 16
Spaces: 4
UTF-8
LF
Plain Text
Go Live
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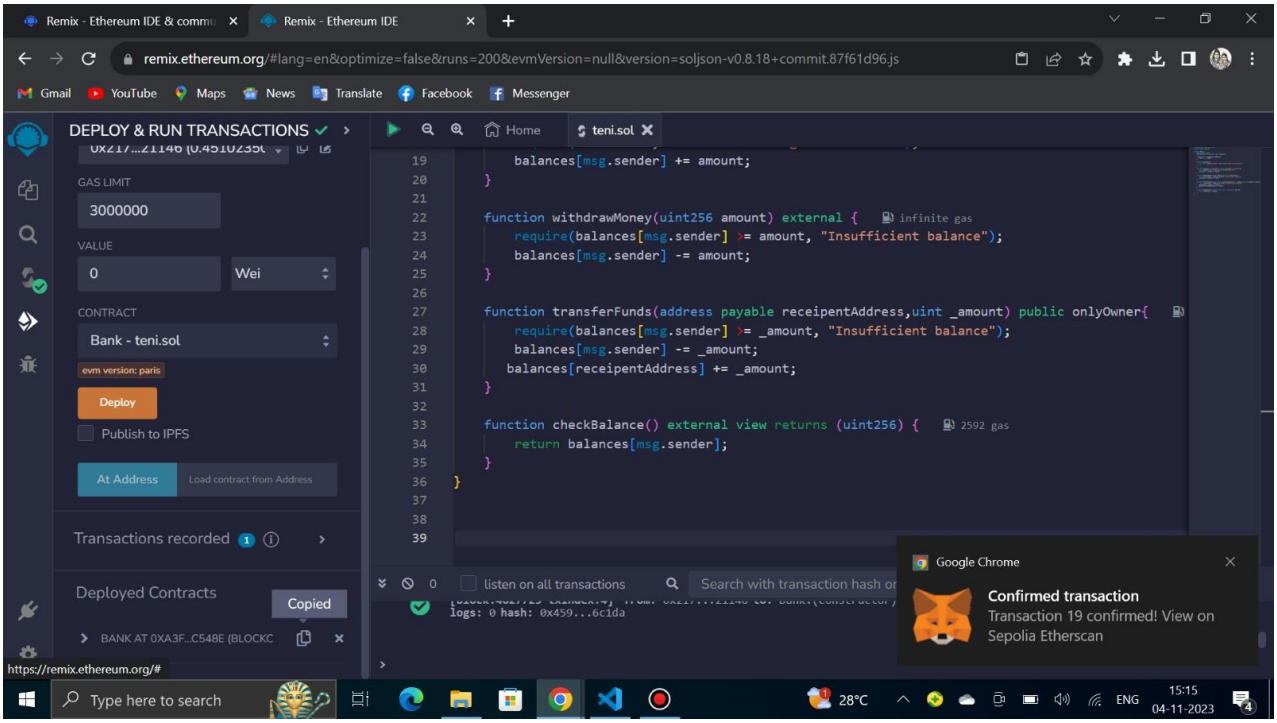
Live
ENG
15:13
04-11-2023

3.


Remix - Ethereum IDE & commu
Remix - Ethereum IDE
remix.ethereum.org/#lang=en&optimize=false&runs=200&evmVersion=null&version=soljson-v0.8.18+commit.87f61d96.js
Gmail
YouTube
Maps
News
Translate
Facebook
Messenger
DEPLOY & RUN TRANSACTIONS
GAS LIMIT
3000000
VALUE
0
Wei
CONTRACT
Bank - teni.sol
evm version: paris
Deploy
Publish to IPFS
At Address
Load contract from Address
Transactions recorded
Deployed Contracts
Copied
BANK AT 0XA3F...C548E (BLOCKC
Home
teni.sol
balances[msg.sender] += amount;
}
function withdrawMoney(uint256 amount) external {
infinite gas
require(balances[msg.sender] >= amount, "Insufficient balance");
balances[msg.sender] -= amount;
}
function transferFunds(address payable receipentAddress,uint _amount) public onlyOwner{
require(balances[msg.sender] >= _amount, "Insufficient balance");
balances[msg.sender] -= _amount;
balances[receipentAddress] += _amount;
}
function checkBalance() external view returns (uint256) {
2592 gas
return balances[msg.sender];
}
}
listen on all transactions
Search with transaction hash or
logs: 0 hash: 0x459...6c1da
Google Chrome
Confirmed transaction
Transaction 19 confirmed! View on Sepolia Etherscan
https://remix.ethereum.org/#
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ENG
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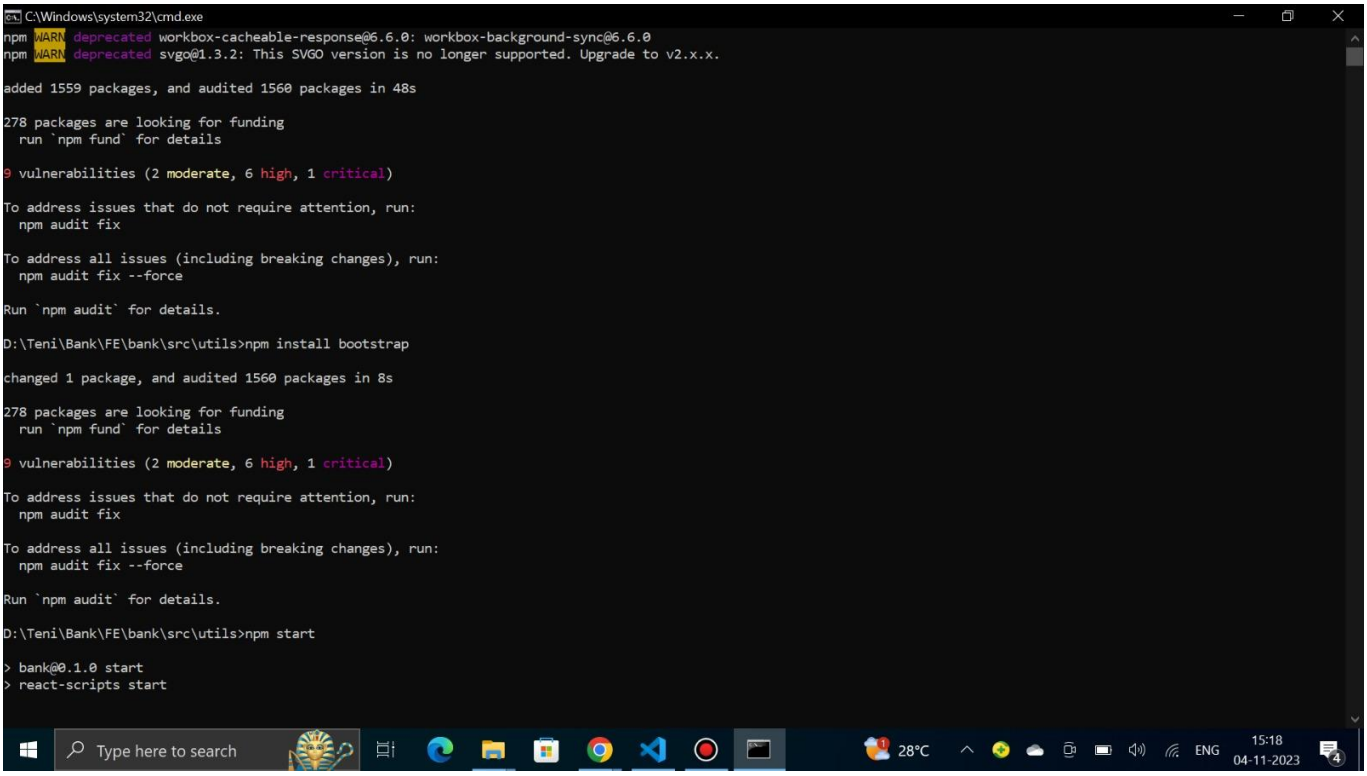
04-11-2023

4.


C:\Windows\system32\cmd.exe
npm WARN deprecated workbox-cacheable-response@6.6.0: workbox-background-sync@6.6.0
npm WARN deprecated svgo@1.3.2: This SVGO version is no longer supported. Upgrade to v2.x.x.
added 1559 packages, and audited 1560 packages in 48s
278 packages are looking for funding
run `npm fund` for details
9 vulnerabilities (2 moderate, 6 high, 1 critical)
To address issues that do not require attention, run:
npm audit fix
To address all issues (including breaking changes), run:
npm audit fix --force
Run `npm audit` for details.
D:\Teni\Bank\FE\bank\src\utils>npm install bootstrap
changed 1 package, and audited 1560 packages in 8s
278 packages are looking for funding
run `npm fund` for details
9 vulnerabilities (2 moderate, 6 high, 1 critical)
To address issues that do not require attention, run:
npm audit fix
To address all issues (including breaking changes), run:
npm audit fix --force
Run `npm audit` for details.
D:\Teni\Bank\FE\bank\src\utils>npm start
> bank@0.1.0 start
> react-scripts start
Type here to search
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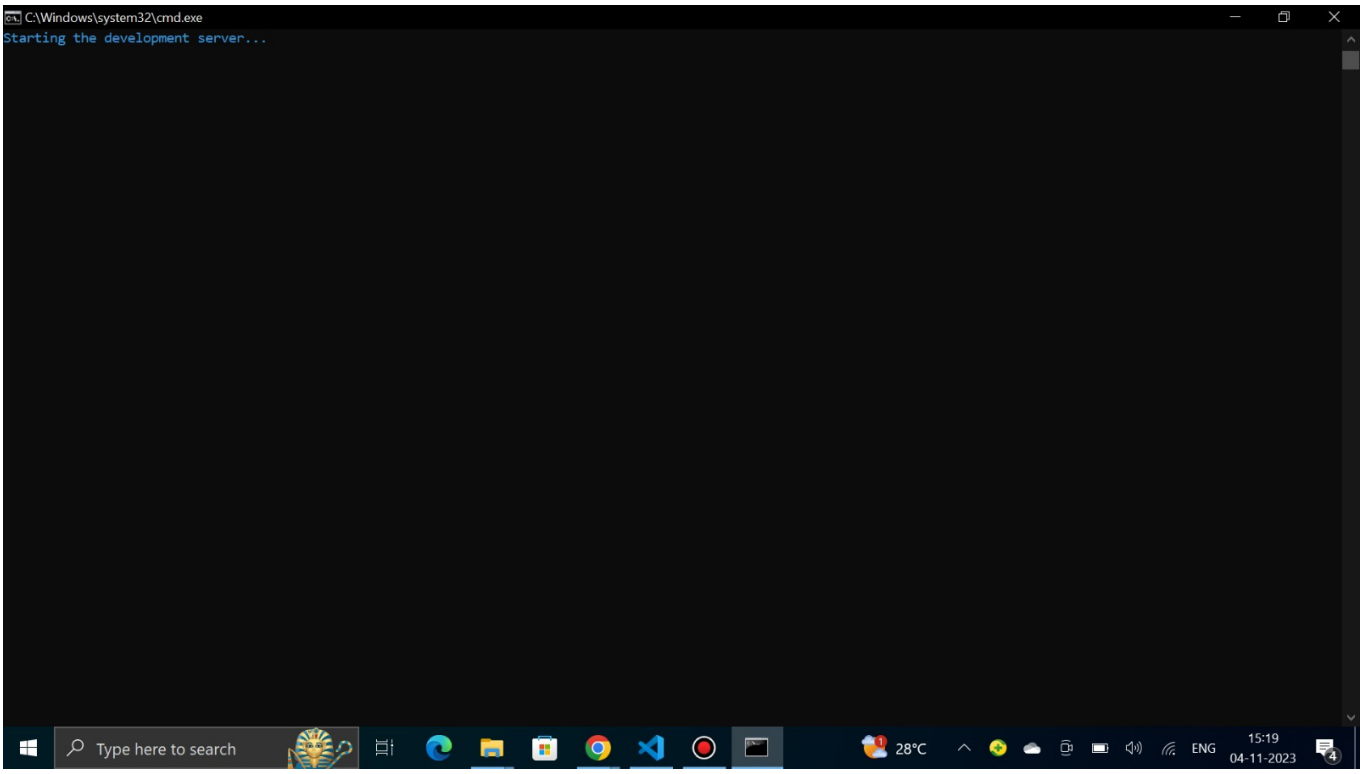
04-11-2023


C:\Windows\system32\cmd.exe
Starting the development server...
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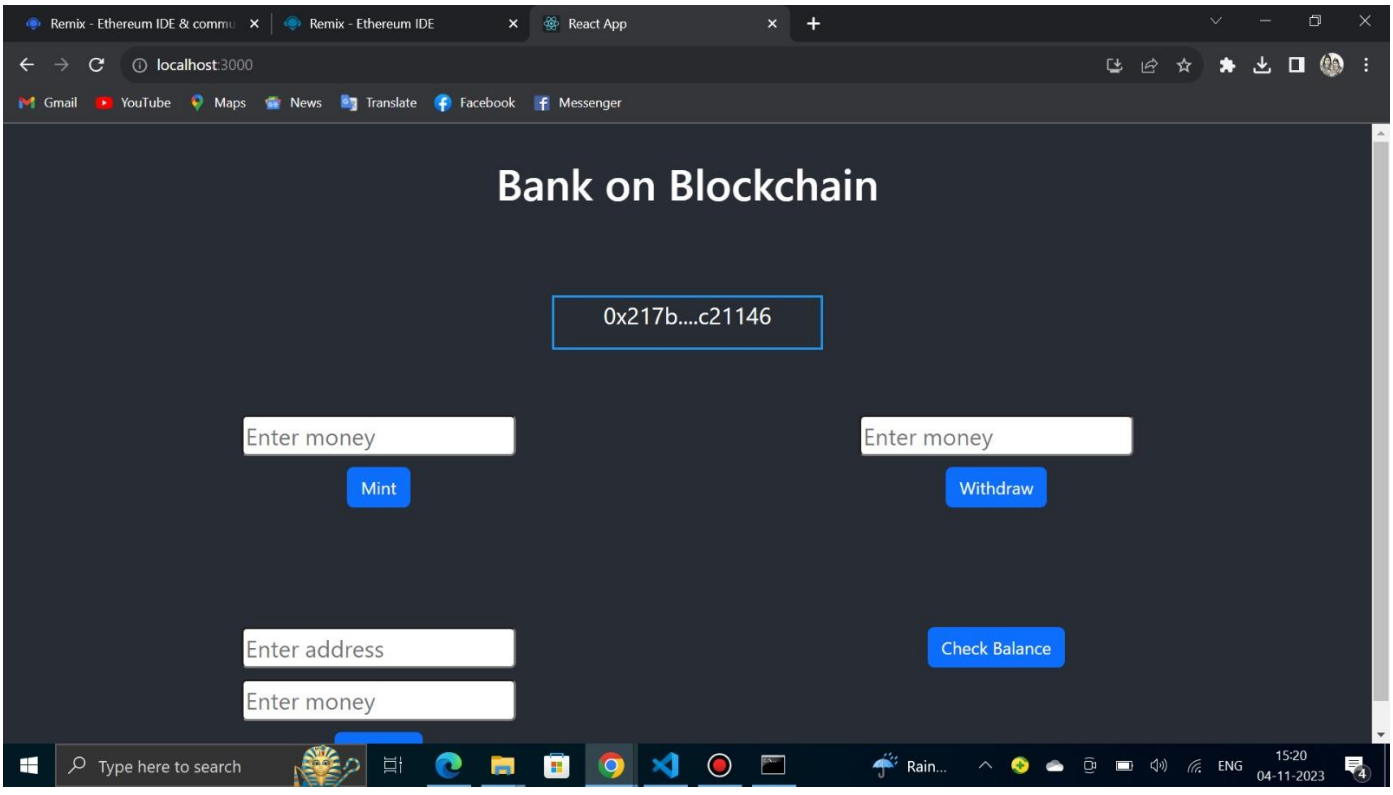
04-11-2023

5.


Remix - Ethereum IDE & commu
Remix - Ethereum IDE
React App
localhost:3000
Gmail
YouTube
Maps
News
Translate
Facebook
Messenger
Bank on Blockchain
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ENG
15:20
04-11-2023