

<https://github.com/atchu33/ELECTRONIC-HEALTH-RECORDS>

K.ATCHAYA

(TEAM LEADER)

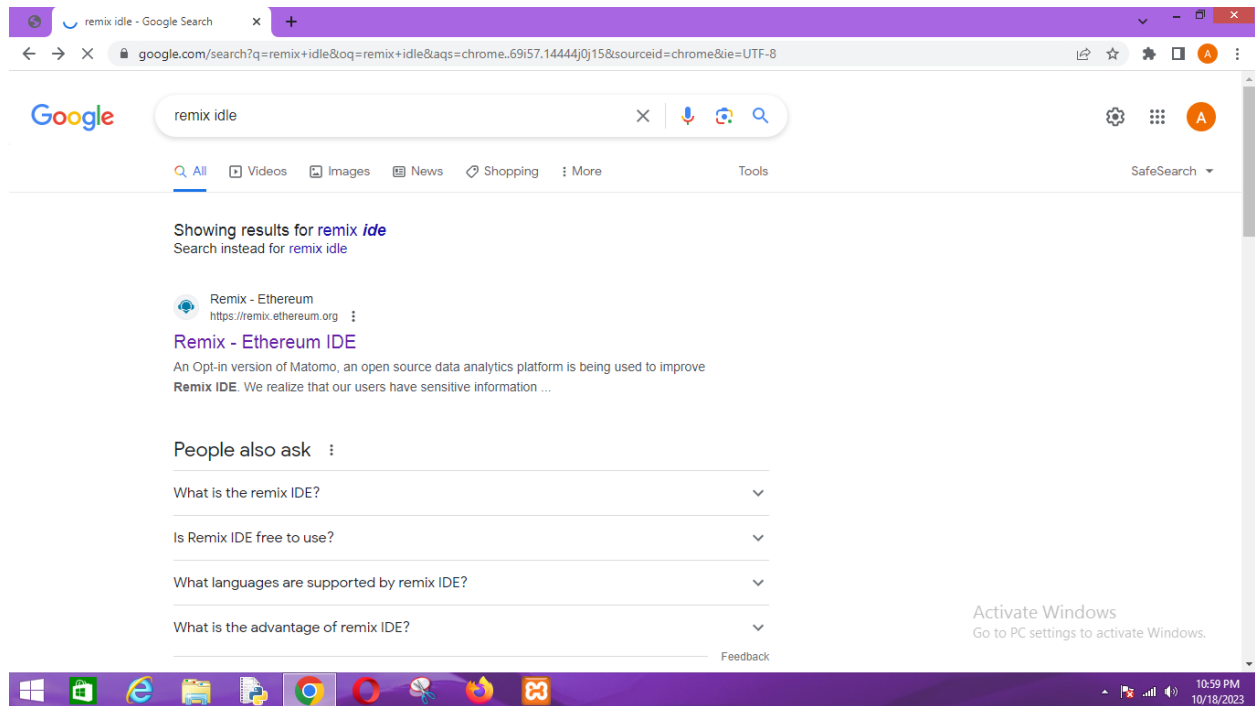
NM ID:98E61718D60D540B5AF4B23D8AD20364

BLOCK CHAIN

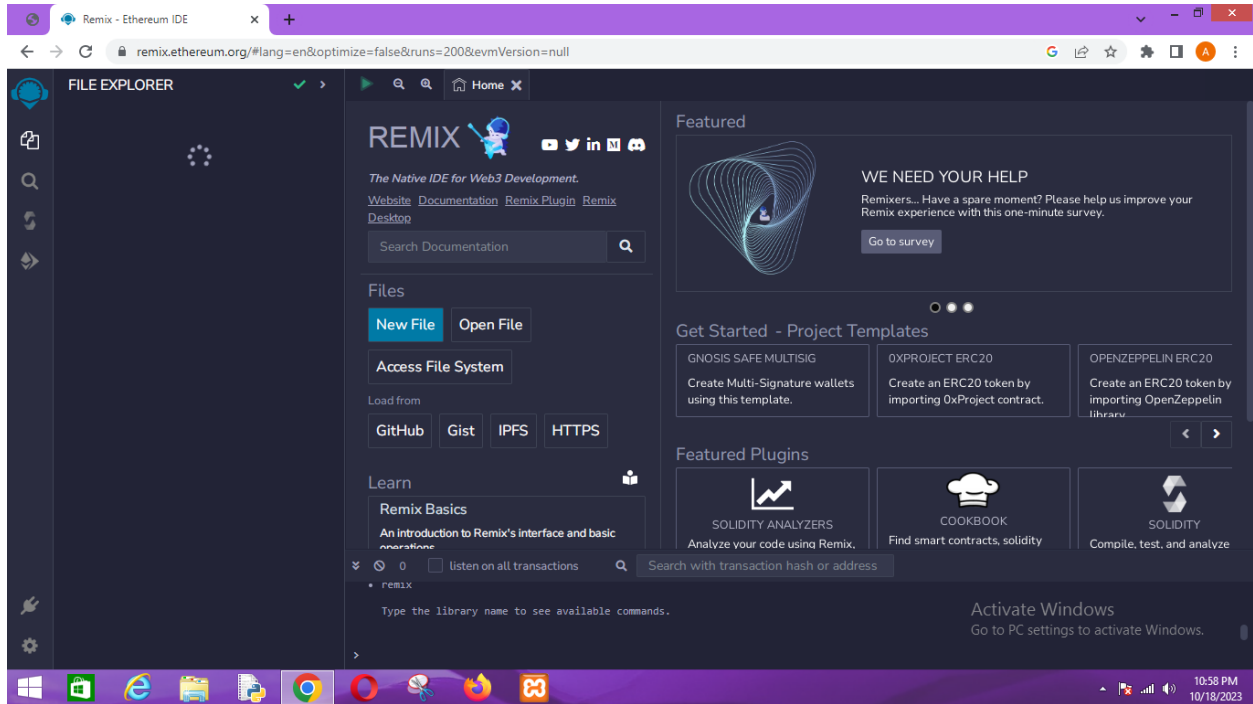
ASSIGNMENT

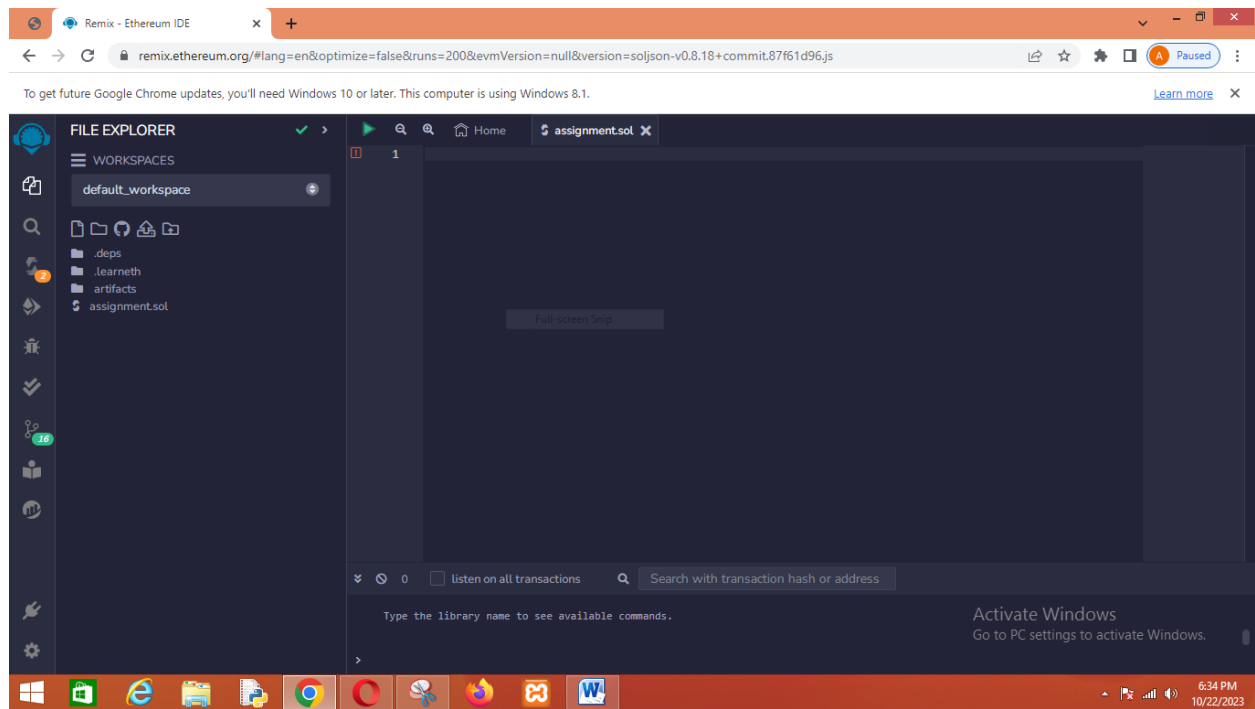
**SRI RAAJA RAAJAN COLLEGE OF
ENGINEERING & TECHNOLOGY**

1.Go to the chrome and open remix platform

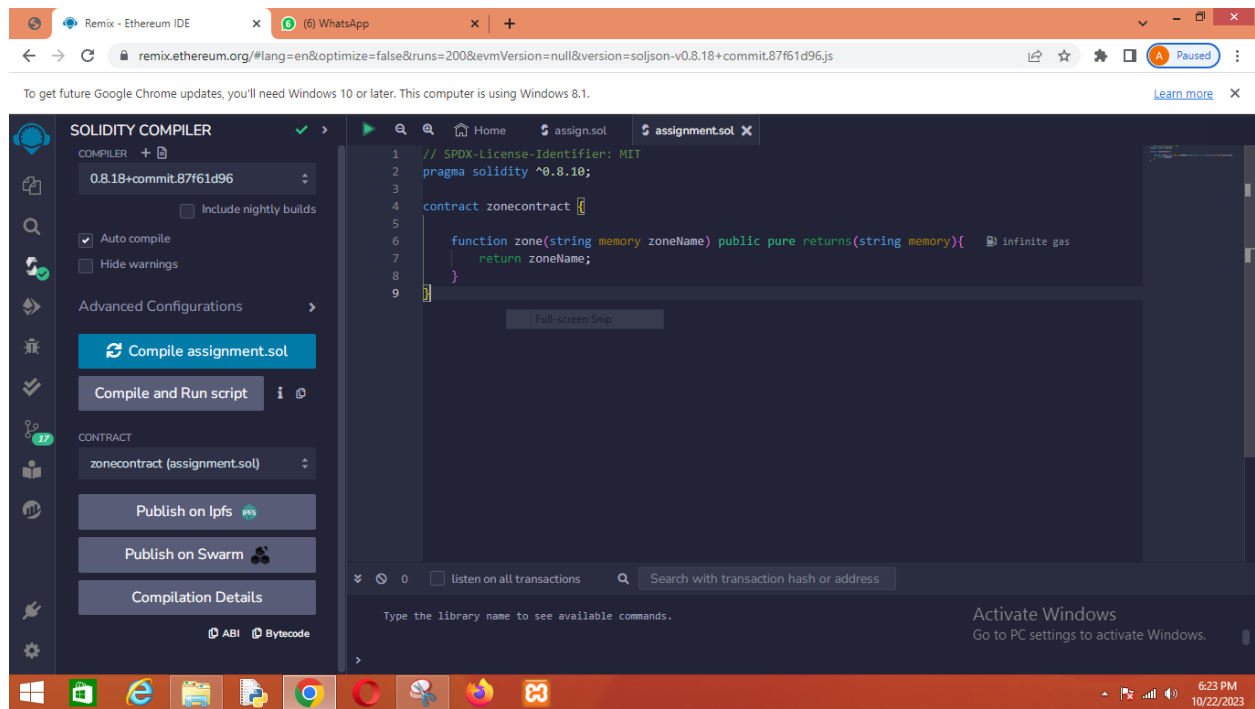


2. Open the remix page and create a new file.

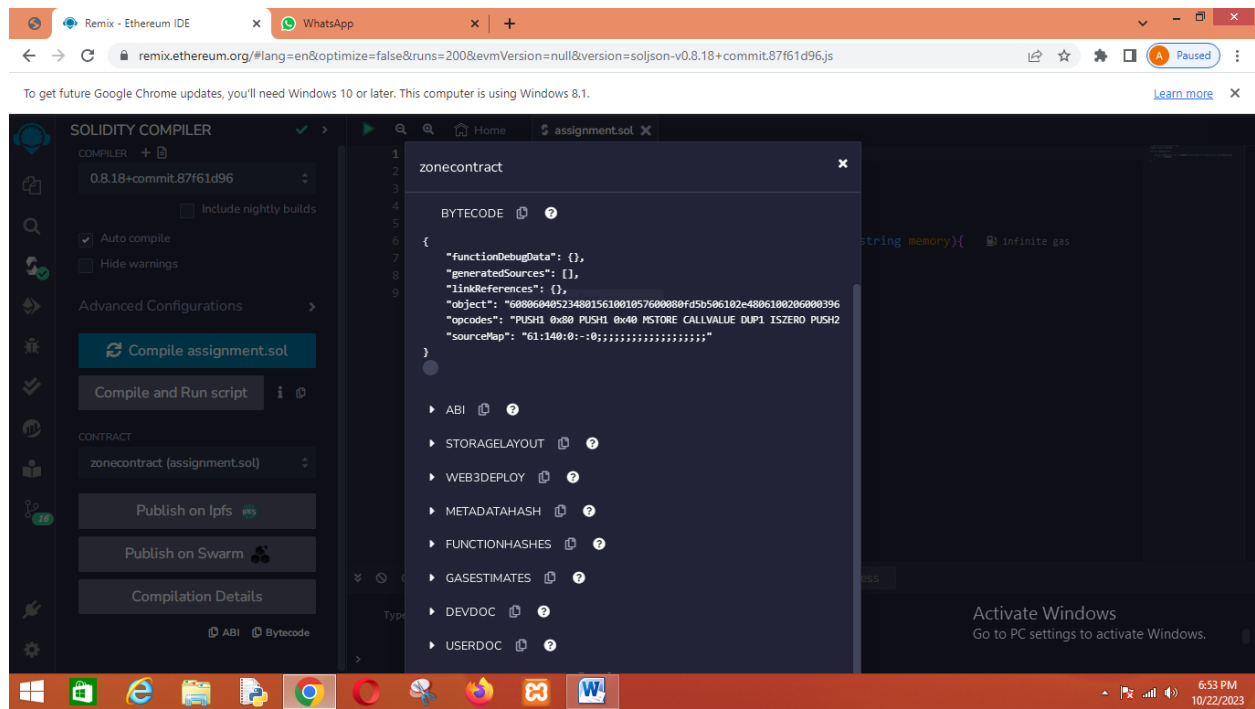




3.Create a program to return your string “zone name”.



4. Compile it to get API and BYTECODE



Remix - Ethereum IDE (5) WhatsApp

remix.ethereum.org/#lang=en&optimize=false&runs=200&evmVersion=null&version=soljson-v0.8.18+commit.87f61d96.js

To get future Google Chrome updates, you'll need Windows 10 or later. This computer is using Windows 8.1. [Learn more](#)

DEPLOY & RUN TRANSACTIONS

ENVIRONMENT
Remix VM (Shanghai)

ACCOUNT
0x5B3...eddC4 (99.99999999)

GAS LIMIT
3000000

VALUE
0 Wei

CONTRACT
zonecontract - assignment.sol
evm version: paris
Deploy
Publish to IPFS
At Address Load contract from Address

Transactions recorded 1

Home assignment.sol assignment.sol

1 // SPDX-License-Identifier: MIT
2 pragma solidity ^0.8.10;
3
4 contract zonecontract {
5
6 function zone(string memory zoneName) public pure returns(string memory){ infinite gas
7 return zoneName;
8 }
9 }

0 listen on all transactions Search with transaction hash or address
[vm] from: 0x5B3...eddC4 to: zonecontract.(constructor) value: 0 wei data: 0x608...20033 logs: 0 hash: 0x0c6...c22e1
Debug

6:24 PM 10/22/2023

remix.ethereum.org/#lang=en&optimize=false&runs=200&evmVersion=null&version=soljson-v0.8.18+commit.87f61d96.js

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DEBUGGER

☐ Use generated sources(Solidity >= v0.7.2)
0x0c650fd3f63fd0402157f3c17f6dd52fd1ccc9e1e84d6c44d927019fd9c22e1
Stop debugging

Function Stack
No data available

Solidity Locals
No data available

000 PUSH1 80 - LINE 4
002 PUSH1 40 - LINE 4
004 MSTORE - LINE 4
005 CALLVALUE - LINE 4
006 DUP1 - LINE 4
007 ISZERO - LINE 4
008 PUSH2 0010 - LINE 4
011 JUMP - LINE 4
013 STOP - LINE 4

Solidity State
No data available

Step details
vm trace step: 0
execution step: 0
add memory:
gas: 9
remaining gas: 180031
loaded address: (Contract Creation - Step 0)

Home assignment.sol assignment.sol

1 // SPDX-License-Identifier: MIT
2 pragma solidity ^0.8.10;
3
4 contract zonecontract { PUSH1 costs 3 gas - this line costs 1960 gas - 180031 gas left
5
6 function zone(string memory zoneName) public pure returns(string memory)
7 return zoneName;
8 }
9 }

0 listen on all transactions Search with transaction hash or address
[vm] from: 0x5B3...eddC4 to: zonecontract.(constructor) value: 0 wei
data: 0x608...20033 logs: 0 hash: 0x0c6...c22e1
Debug

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