

**S.ARUNKUMAR**

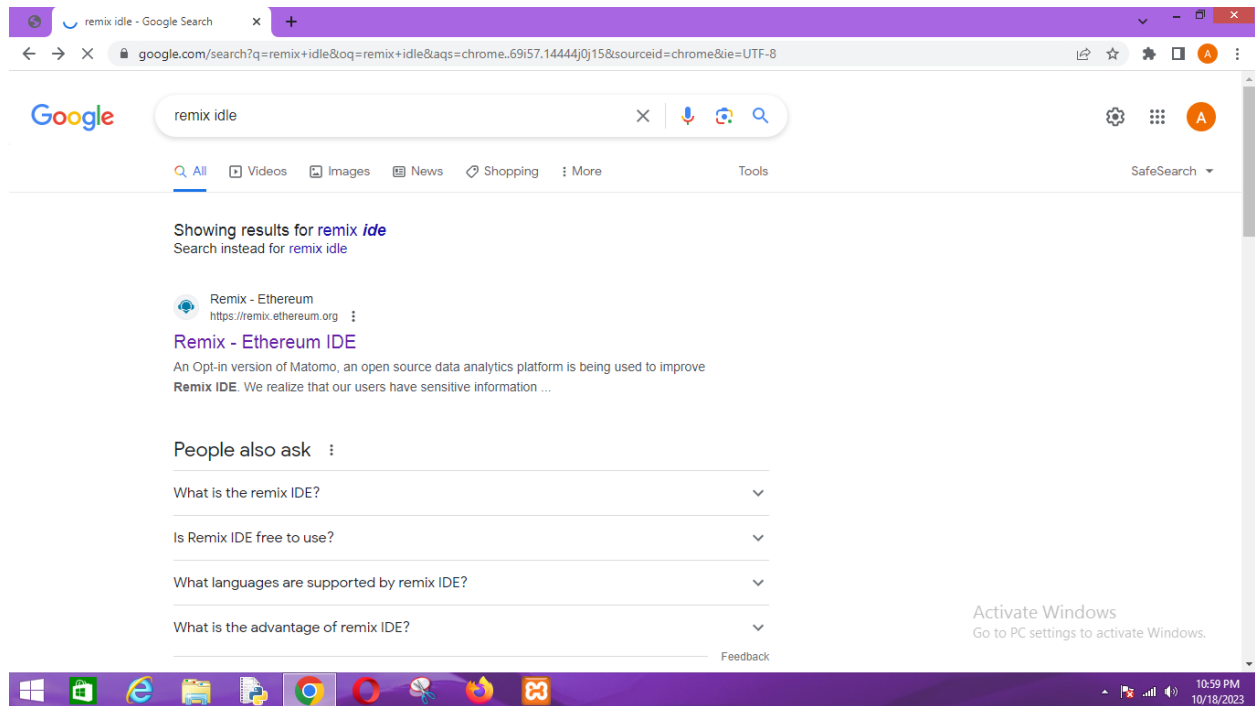
**NM ID:9A8B5D7061588F8A50E4A0673A0219D8**

**BLOCK CHAIN**

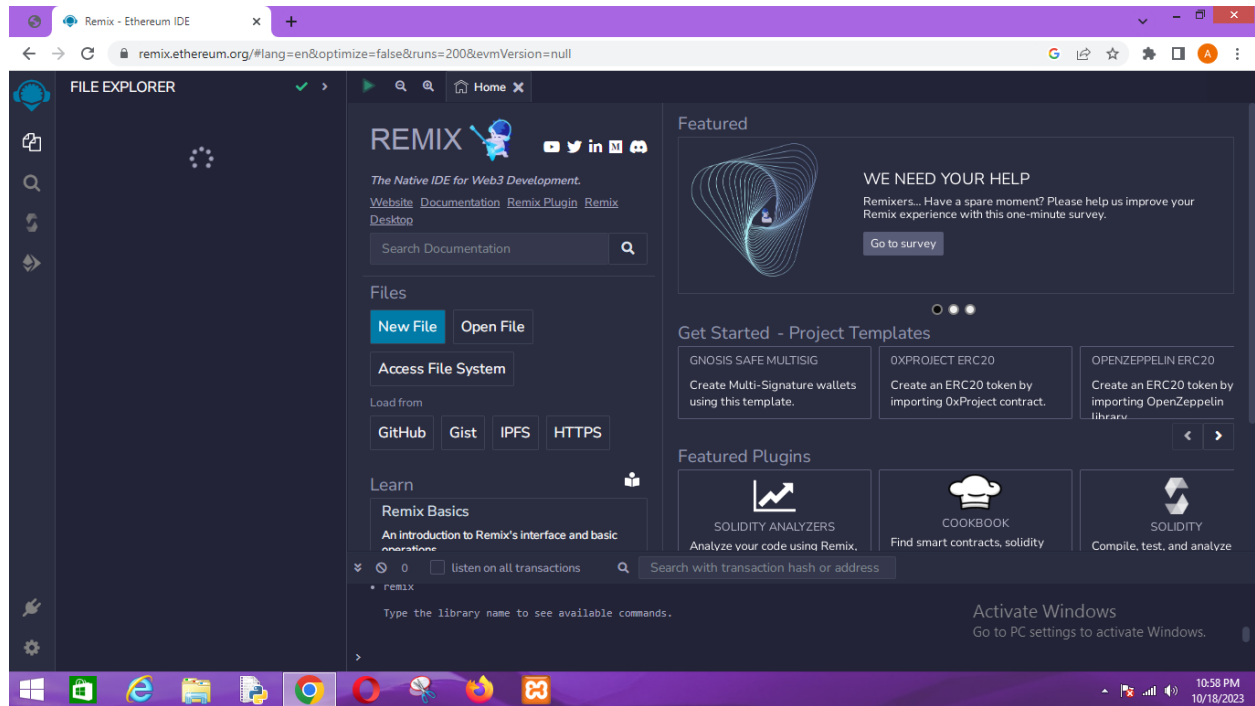
**ASSIGNMENT**

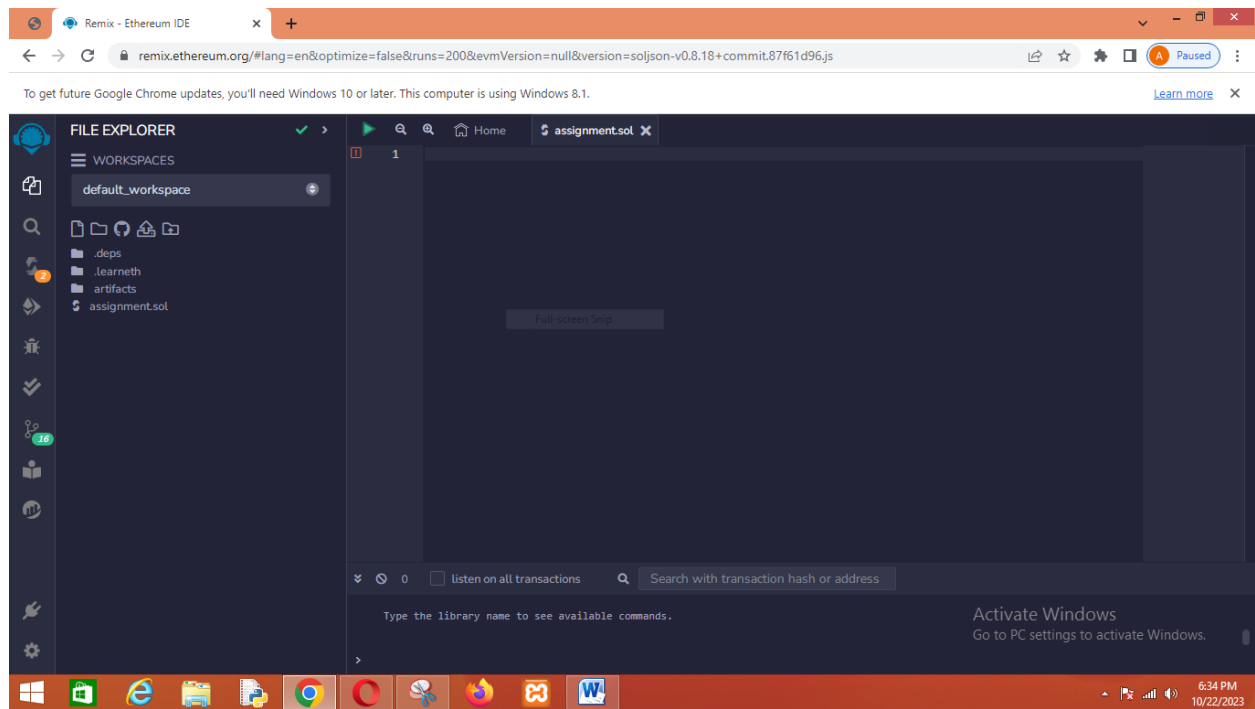
**SRI RAAJA RAAJAN COLLEGE OF  
ENGINEERING & TECHNOLOGY**

## 1.Go to the chrome and open remix platform

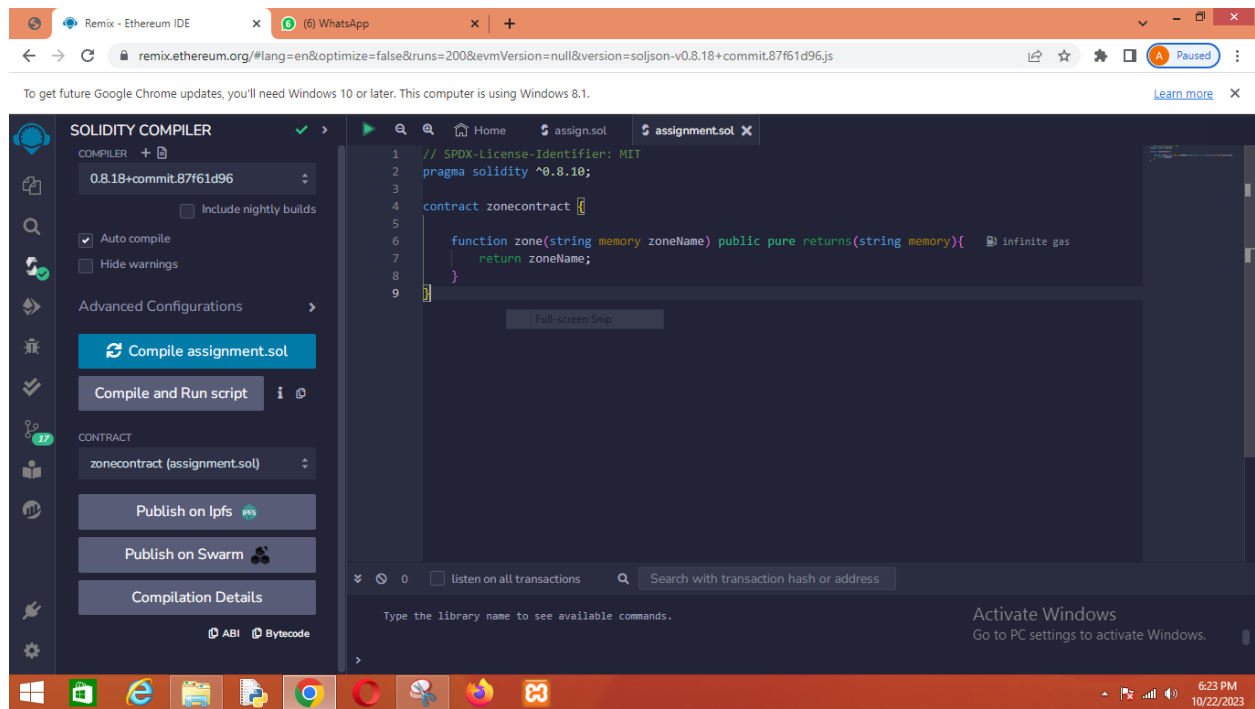


## 2. Open the remix page and create a new file.

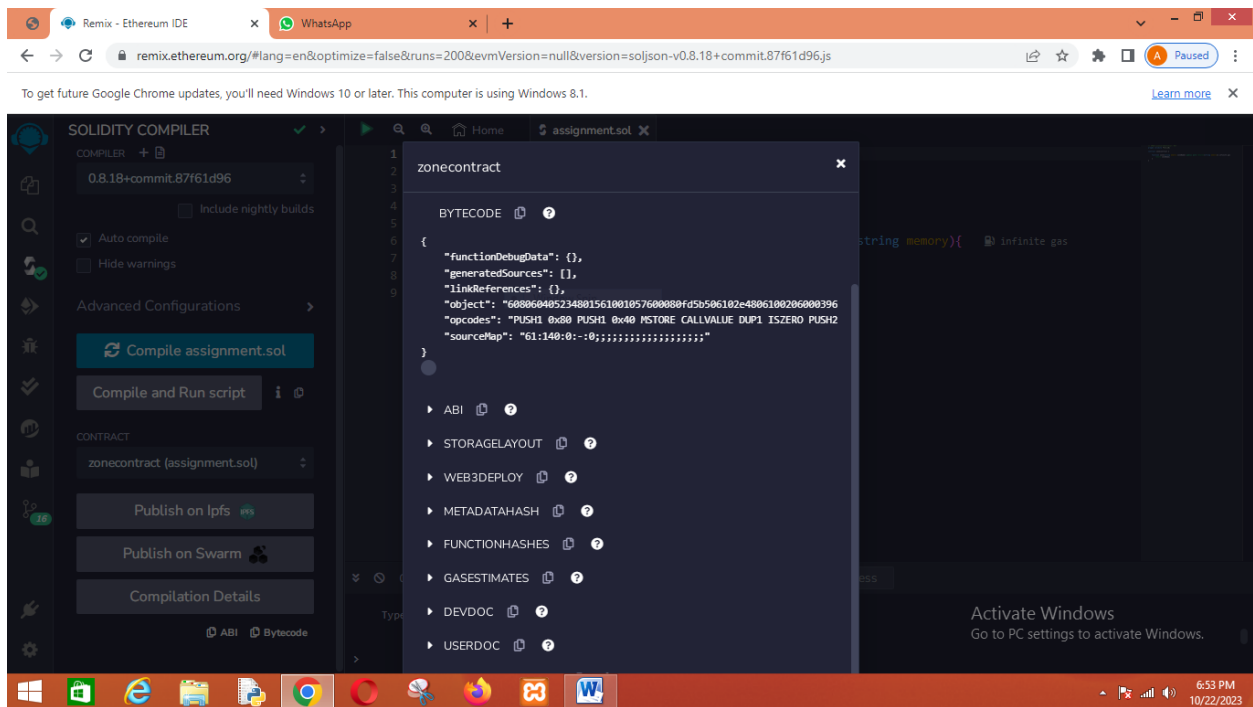
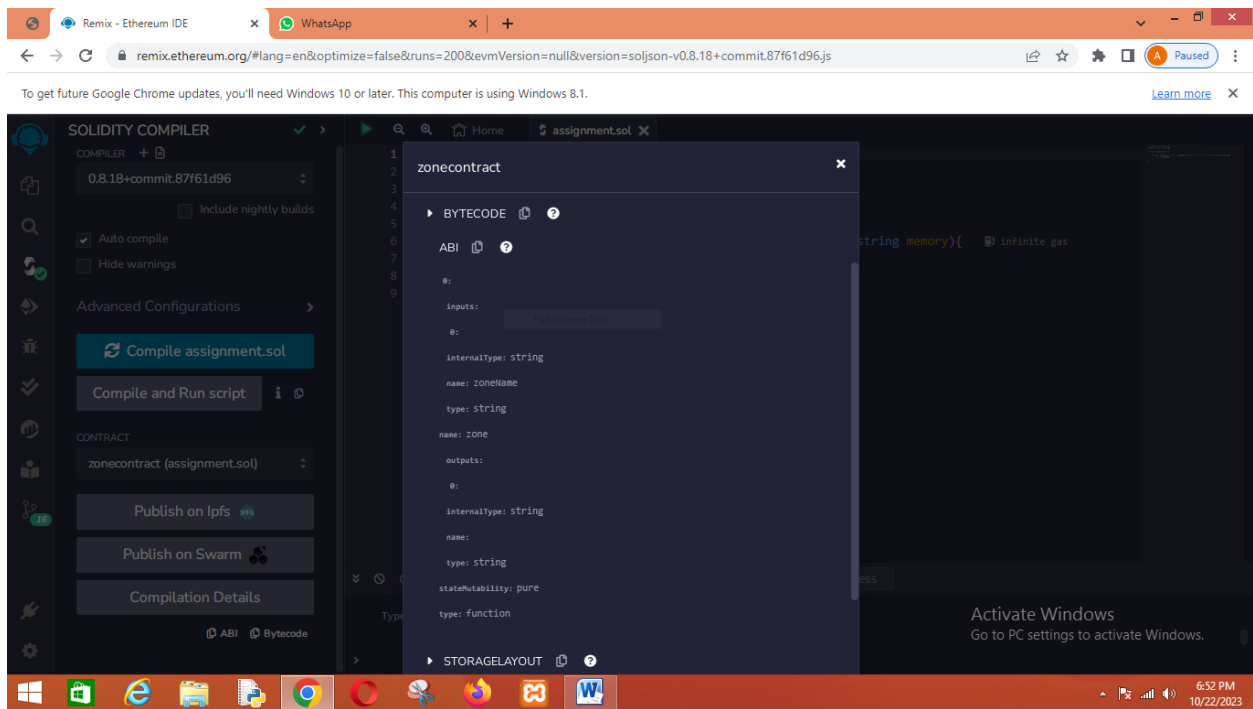




**3.Create a program to return your string “zone name”.**



#### 4. Compile it to get API and BYTECODE



**5. Deploy it to display the output :**

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 State  
No data available

Solidity Locals  
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

6:26 PM 10/22/2023

