

V.SANGEETHA

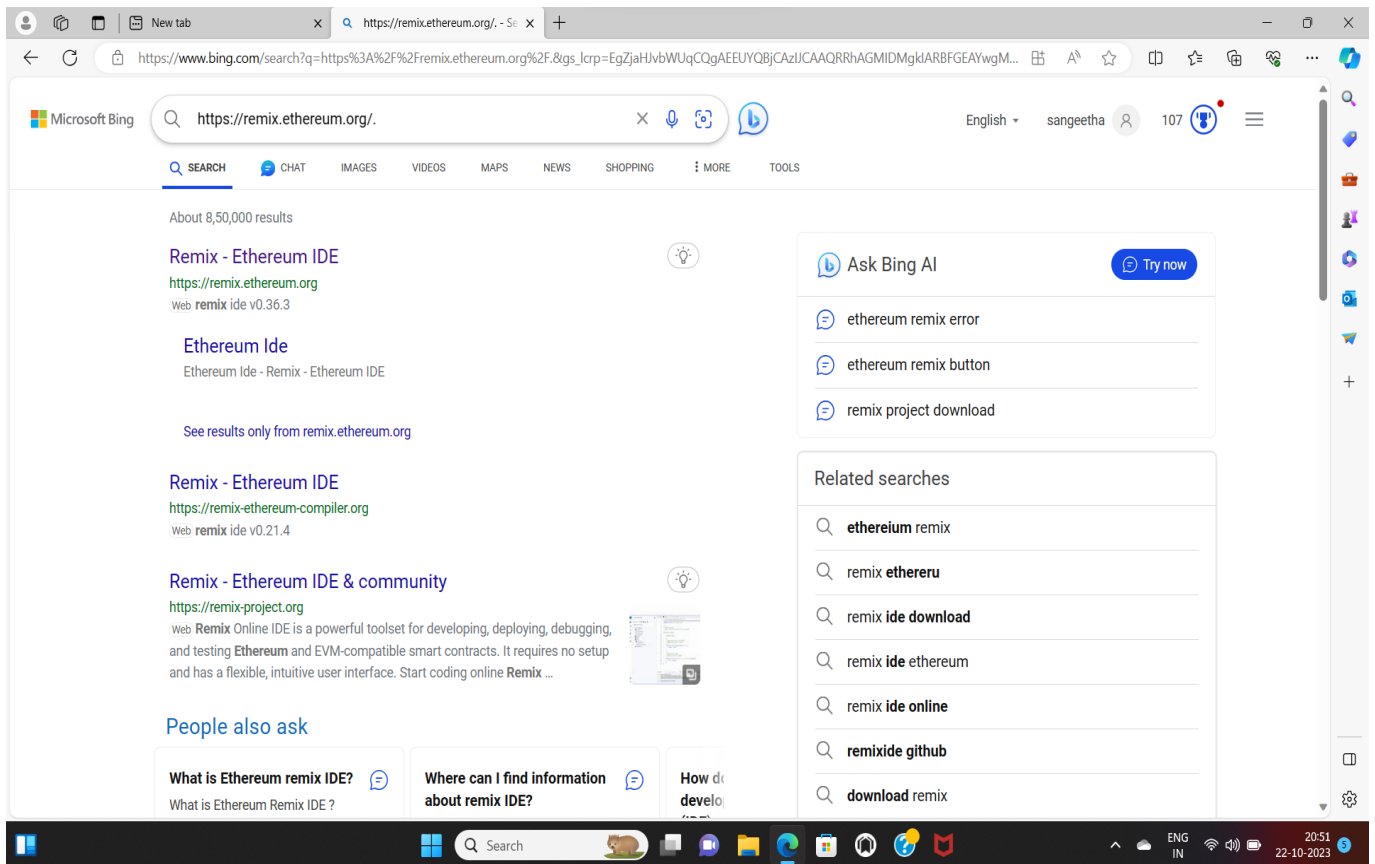
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BLOCK CHAIN

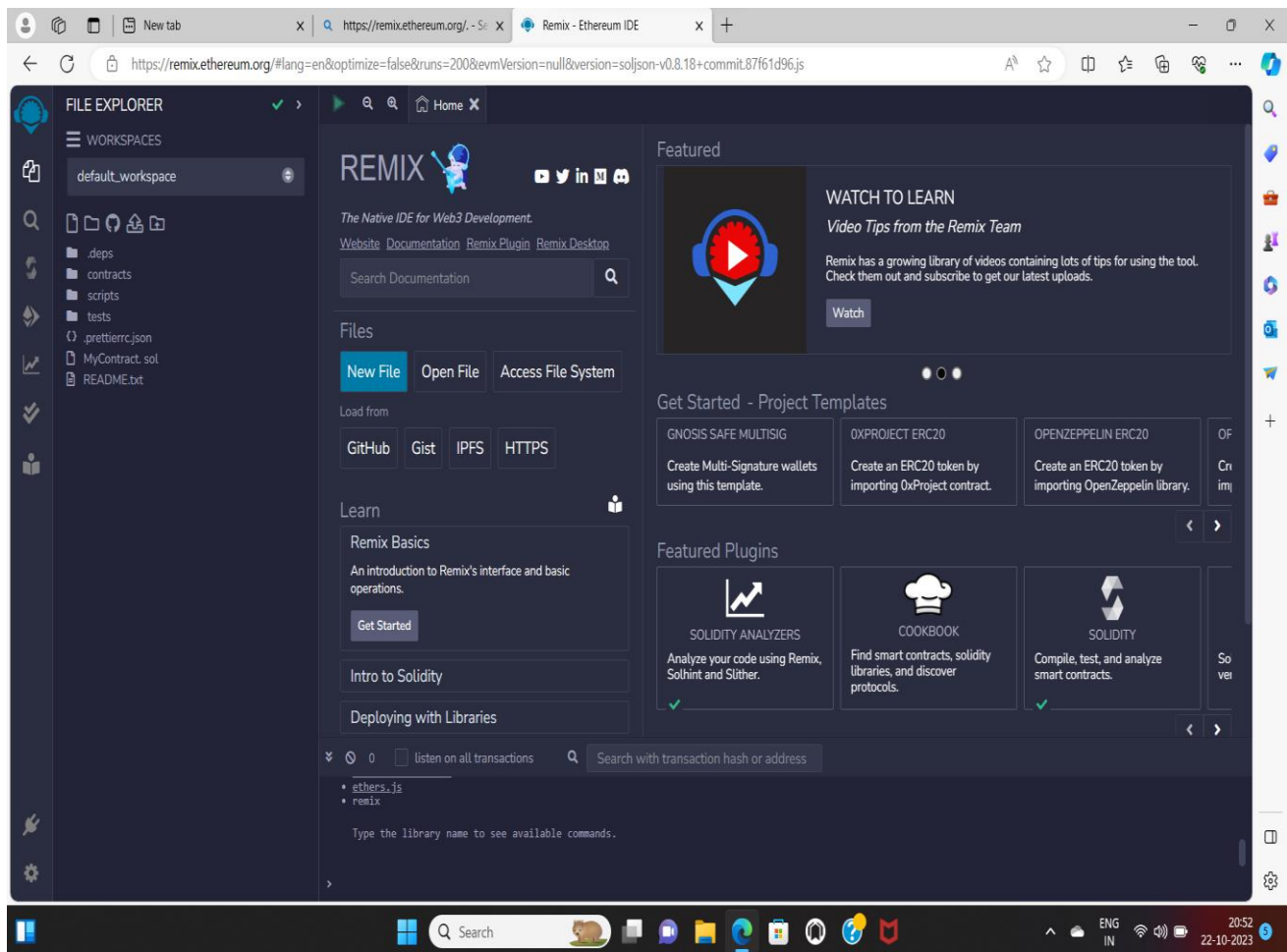
ASSIGNMENT

SRI RAAJA RAAJAN COLLEGE OF ENGINEERING AND TECHNOLOGY

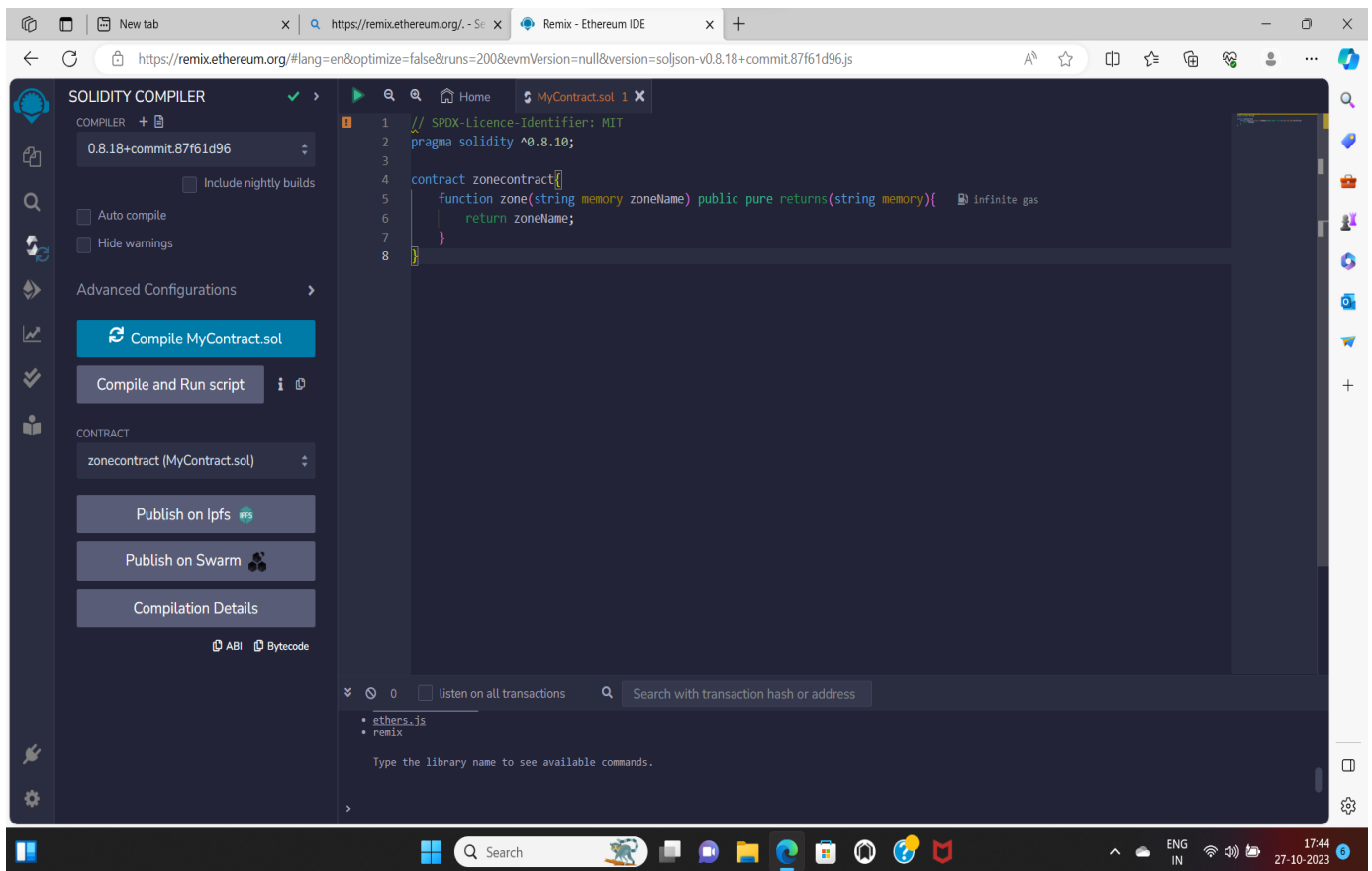
1.Go to the Browser and open remix platform



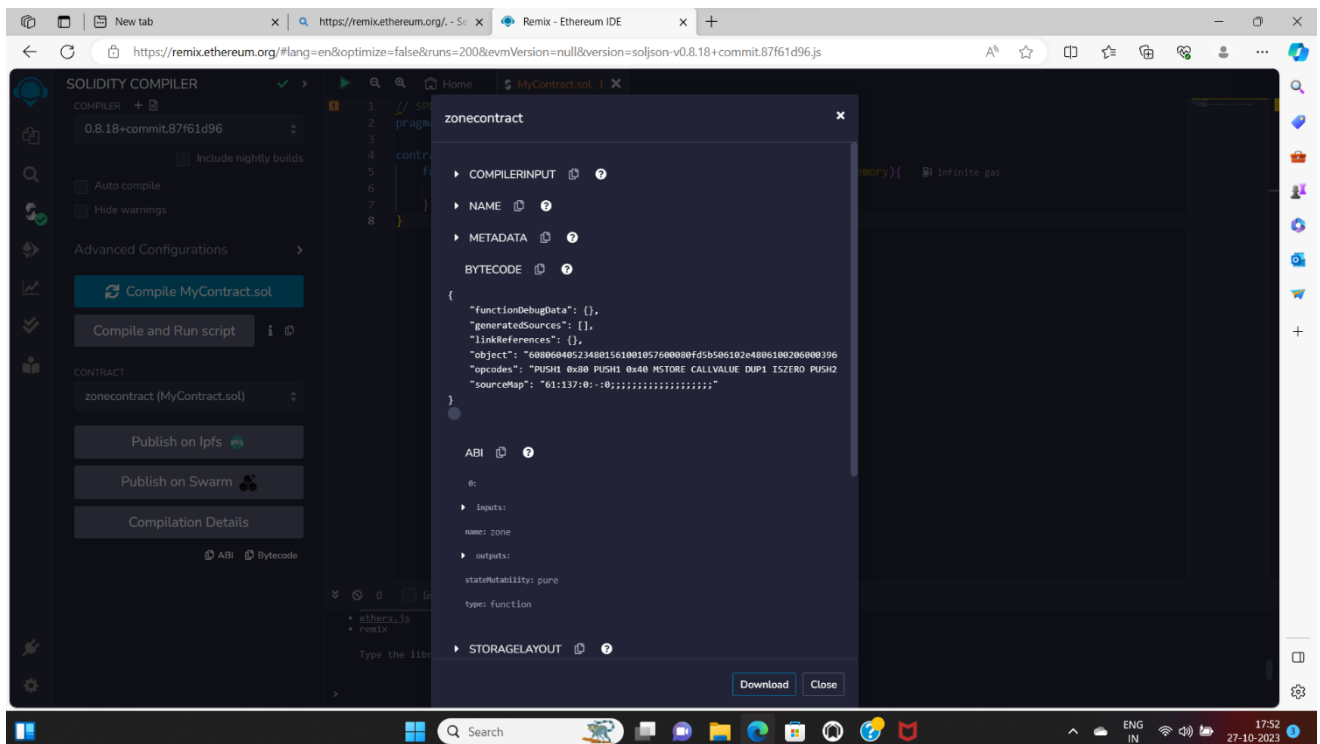
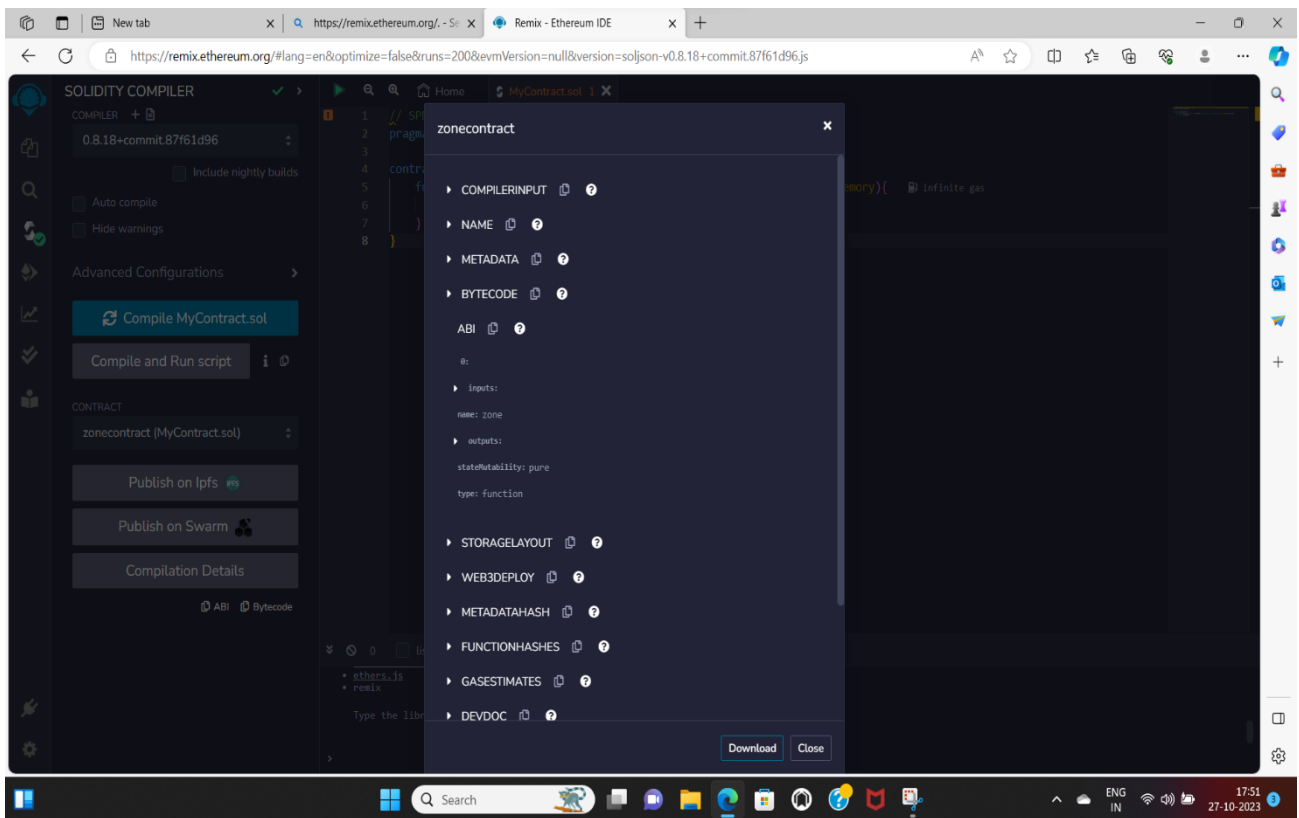
2.open the remix file and create a new file



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

The screenshot shows the Remix IDE interface with the "DEPLOY & RUN TRANSACTIONS" panel on the left. The environment is set to "Remix VM (Shanghai)". The account is "0x5B3...eddC4 (99.99999999)". The gas limit is "3000000". The value is "0 Wei". The contract is "zonecontract - MyContract.sol". The "Deploy" button is highlighted. Below the "Deploy" button, there are options to "Publish to IPFS" and "At Address". The "Transactions recorded" section shows one transaction. The "Deployed Contracts" section shows "ZONECONTRACT AT 0xD91...3913". The main editor displays the Solidity code for "MyContract.sol":

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

The bottom status bar shows the transaction details: "[vm] from: 0x5B3...eddC4 to: zonecontract.(constructor) value: 0 wei data: 0x608...20033 logs: 0 hash: 0xc14...2db6d".

The screenshot shows the Remix IDE interface with the "DEBUGGER" panel on the left. The "Use generated sources(Solidity >= v0.7.2)" checkbox is checked. The address "0xc145f7f4ad1dce389d9b2fb11272b74d788d767dd536a92e921e94c07262db6d" is entered. The "Stop debugging" button is highlighted. The "Function Stack" and "Solidity Locals" sections show "No data available". The "Solidity State" section shows "No data available". The "Step details" section shows the current step: "vm trace step: 0, execution step: 0, add memory, gas: 3, remaining gas: 180031, loaded address: (Contract Creation - Step 0)". The "Call Stack" section shows "0: (Contract Creation - Step 0)". The "Full Storage Changes" section shows "(Contract Creation - Step 0): Object". The "Stack" section shows "0: 0x60806040523480156100105760008". The "Call Data" section shows "0: 0x60806040523480156100105760008". The main editor displays the Solidity code for "MyContract.sol":

```
1 // SPDX-Licence-Identifier: MIT
2 pragma solidity ^0.8.10;
3
4 contract zonecontract{
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8 }
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The bottom status bar shows the transaction details: "[vm] from: 0x5B3...eddC4 to: zonecontract.(constructor) value: 0 wei data: 0x608...20033 logs: 0 hash: 0xc14...2db6d".

Thank you