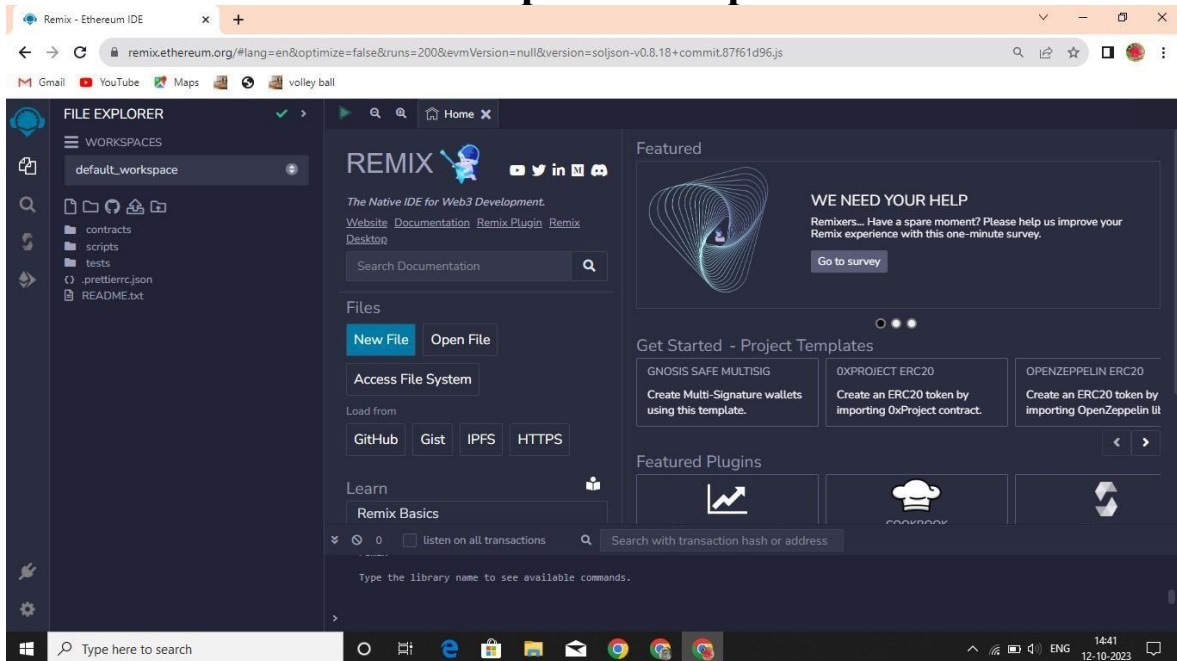


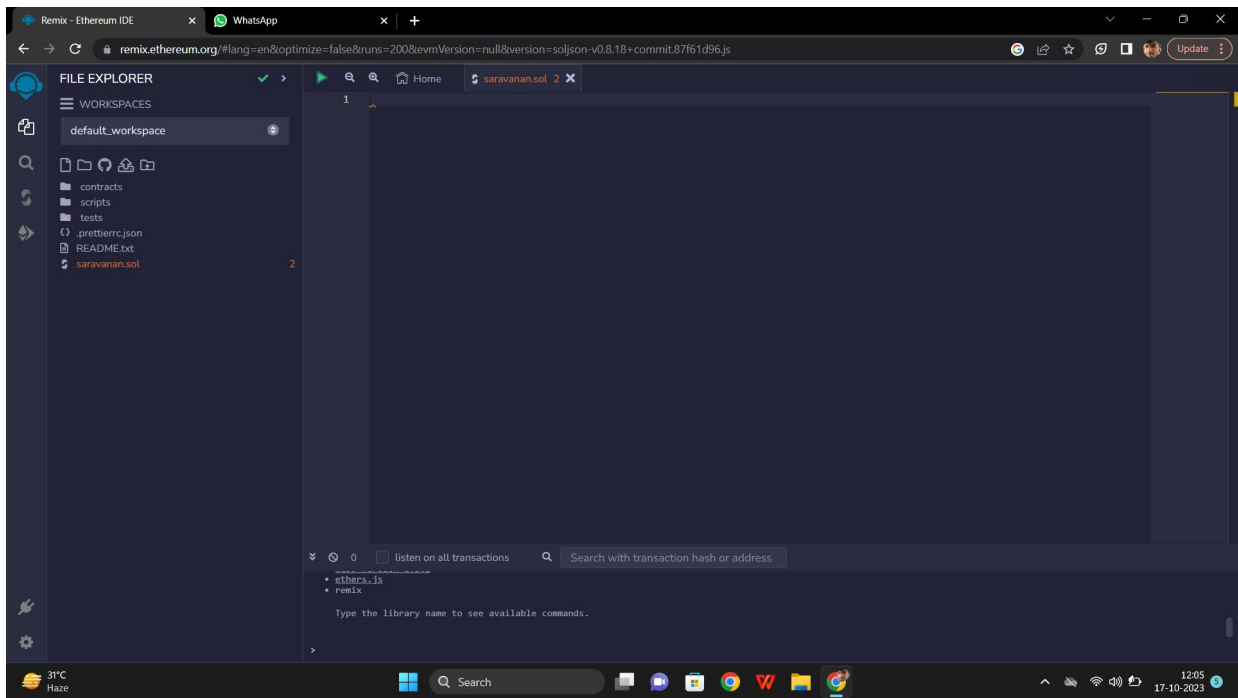
ASSIGNMENT-1

NAME	SARAVANAN C
ZONE	8
COLLEGE	GANESH COLLEGE OF ENGINEERING
TEAM ID	NM2023TMID00980

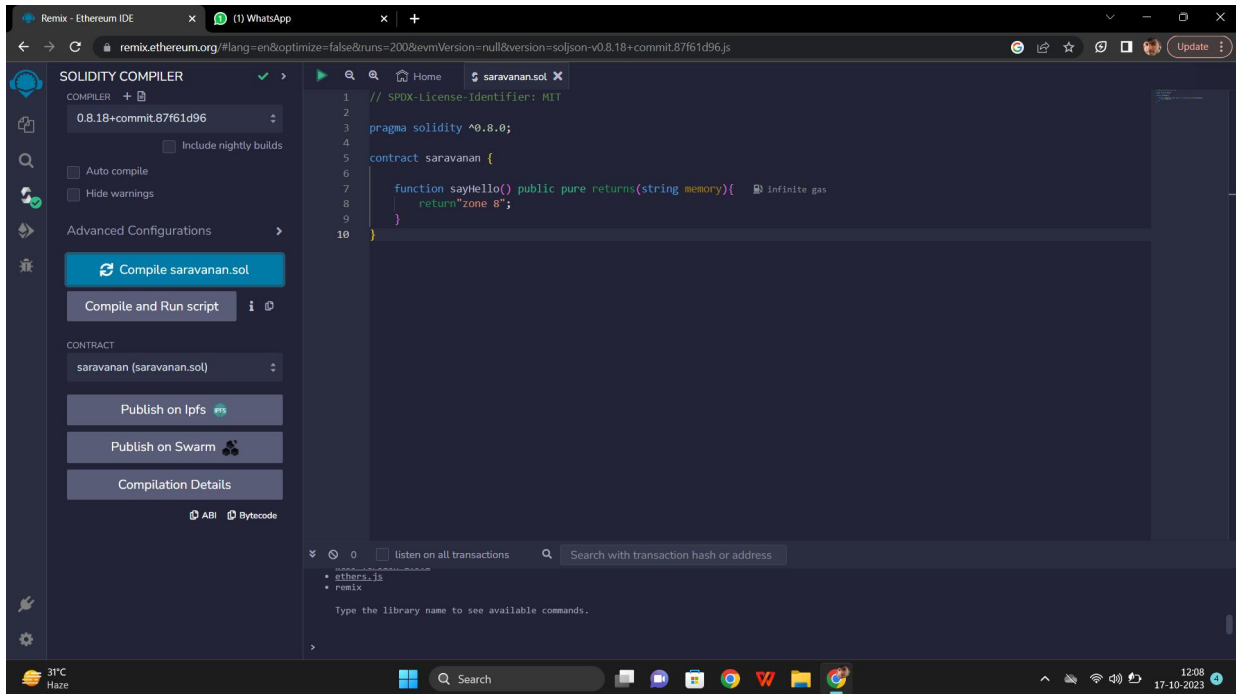
1.Go to the chrome and open remix platform



2.Open the remix page and create a new file



3. In that newly created file, create a program to return your string, "Zone name"



PROGRAM:

```
// SPDX-License-Identifier: MIT
pragma solidity ^0.8.0;
contract saravanan {
    function getZoneName() public pure
    returns (string memory) {
        return "Zone name";
    }
}
```

4. Save the program and compile it to get the ABI and Bytecode

```
[
  {
    "inputs": [],
    "name": "sayHello",
    "outputs": [
      {
        "internalType": "string",
        "name": "",
        "type": "string"
      }
    ],
    "stateMutability": "pure",
    "type": "function"
  }
]
```

608060405234801561001057600080fd5b50610173806100206000
396000f3fe608060405234801561001057600080fd5b50600436106
1002b5760003560e01c8063ef5fb05b14610030575b600080fd5b61
003861004e565b604051610045919061011b565b60405180910390f
35b60606040518060400160405280600681526020017f7a6f6e6520
3800
815250905090565b600081519050919050565b6000828252602082
01905092915050565b60005b838110156100c55780820151818401
526020810190506100aa565b60008484015250505050565b600060
1f19601f8301169050919050565b60006100ed8261008b565b6100f
78185610096565b93506101078185602086016100a7565b6101108
16100d1565b840191505092915050565b600060208201905081810
3600083015261013581846100e2565b90509291505056fea2646970
667358221220baf59a7599b9a2e7c355a202f0bff8d4af7b6744f2167
18cfb0cbce9e70516d664736f6c63430008120033

5. Finally Deploy it to display the output

The screenshot displays the Remix Ethereum IDE interface. The top-left sidebar contains the 'DEPLOY & RUN TRANSACTIONS' panel, which includes a 'VALUE' field set to 3000000, a 'CONTRACT' dropdown showing 'saravanan - saravanan.sol', and a 'Deploy' button. Below this, there are options for 'Publish to IPFS' and 'At Address'. The bottom-left sidebar shows 'Deployed Contracts' with a list of contracts, including 'SARAVANAN AT 0XD91L39138', and a 'sayHello' button. The main editor area displays the Solidity code for 'saravanan.sol', which includes a pragma statement for Solidity 0.8.0 and a function 'sayHello' that returns the string 'zone 8'. The bottom-right panel shows the 'Logs' section, which displays a call to 'saravanan.sayHello' with the following details:

- call to saravanan.sayHello
- call: [call] from: 0x58380da6a701c56854dcfc803fc8875f56beddc4 to: saravanan.sayHello() data: 0xef5...fb05b
- from: 0x58380da6a701c56854dcfc803fc8875f56beddc4
- to: saravanan.sayHello() 0xd9145cc1520386f254917441e044e9943f39138
- execution cost: 715 gas (Cost only applies when called by a contract)
- input: 0xef5...fb05b
- decoded input: {}
- decoded output: {"0": "string: zone 8"}
- logs: []

The bottom status bar shows the system temperature as 31°C, the time as 12:10, and the date as 17-10-2023.