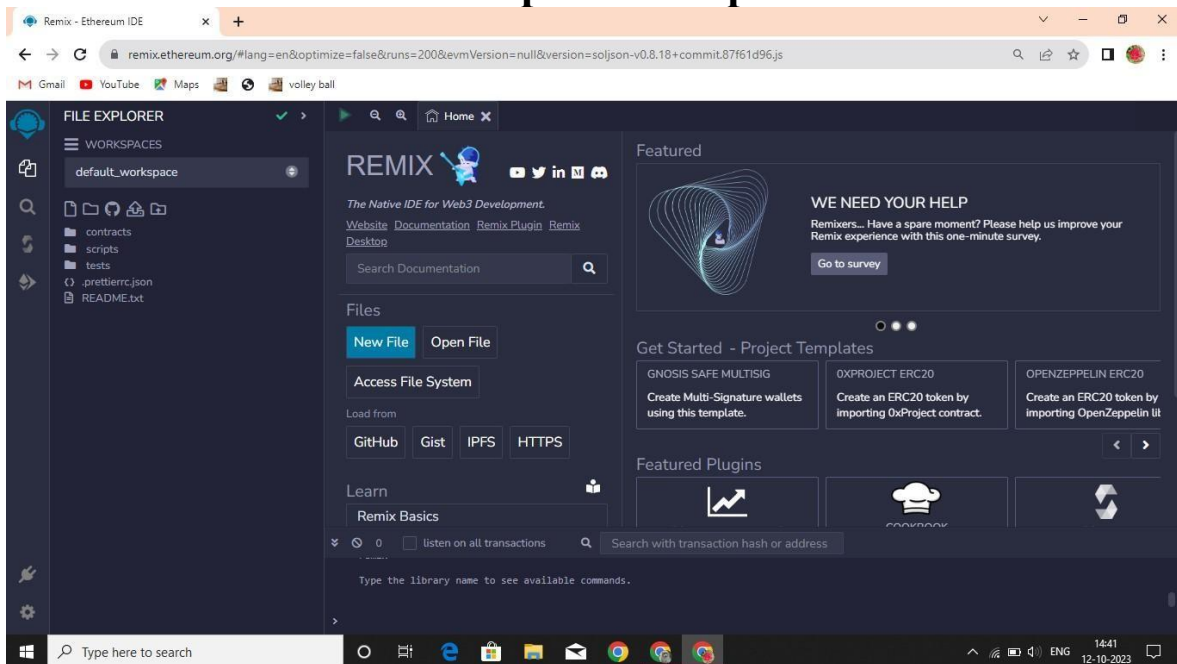


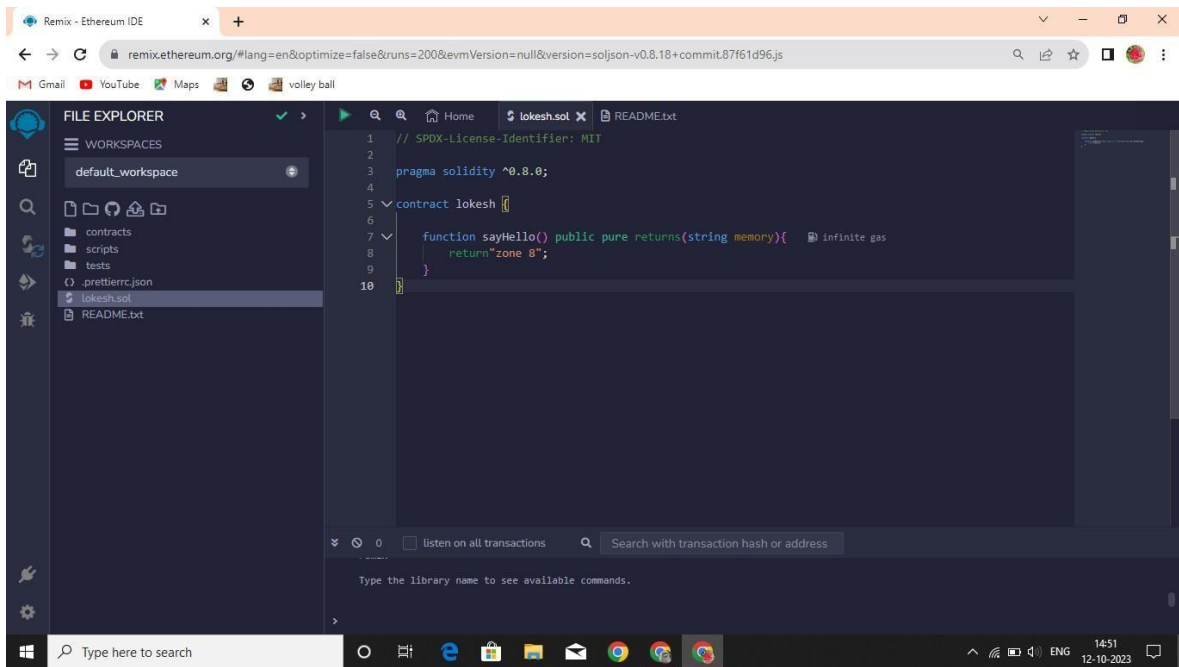
ASSIGNMENT-1

NAME	LOKESH.S
ZONE	8
COLLEGE	GANESH COLLEGE OF ENGINEERING
TEAM ID	NM2023TMID009890

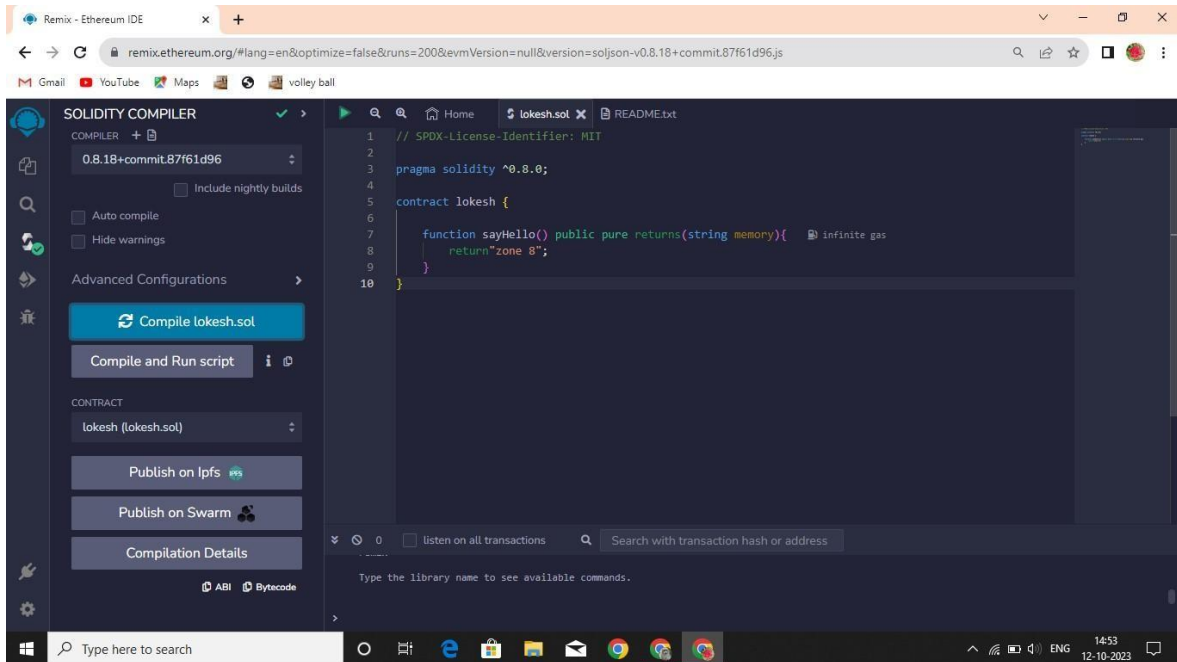
1. Go to the chrome and open remix platform



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 lokesh {
    function getZoneName() public pure
    returns (string memory) {
        return "Zone name";
    }
}
```

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

ABI:

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

BYTECODE:

```
608060405234801561001057600080fd5b50610173806100206000
396000f3fe608060405234801561001057600080fd5b50600436106
1002b5760003560e01c8063ef5fb05b14610030575b600080fd5b61
003861004e565b604051610045919061011b565b60405180910390f
35b60606040518060400160405280600681526020017f7a6f6e6520
3800000000000000000000000000000000000000000000000000
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 browser window shows the URL `remix.ethereum.org/#lang=en&optimize=false&runs=200&evmVersion=null&version=soljson-v0.8.18+commit.87f61d96.js`. The left sidebar contains the 'DEPLOY & RUN TRANSACTIONS' panel, which shows the contract 'lokesh - lokesh.sol' and a 'Deploy' button. Below this, the 'Deployed Contracts' section lists the contract at address `0xD91...3913B` with a 'sayHello' button. The main editor displays the Solidity code for the 'lokesh' contract, which includes a `sayHello` function that returns the string 'zone B'. The bottom right panel shows the transaction log, indicating a successful deployment and a subsequent call to `lokesh.sayHello` that returned the string 'zone B'.

```
1 // SPDX-License-Identifier: MIT
2
3 pragma solidity ^0.8.0;
4
5 contract lokesh {
6
7     function sayHello() public pure returns(string memory){ infinite gas
8         return "zone B";
9     }
10 }
```

Transaction log:

- [vm] from: 0x5B3...eddC4 to: lokesh.(constructor) value: 0 wei data: 0x608...20033 logs: 0 hash: 0x497...0f224
call to lokesh.sayHello
- CALL [call] from: 0x58380a6a701c568545dcf803fc8875f56bedc4 to: lokesh.sayHello() data: 0xef5...fb05b

Contract details:

- from: 0x58380a6a701c568545dcf803fc8875f56bedc4
- to: lokesh.sayHello() 0xd9145ccce520386f254917e481e844e9943f3913b
- execution cost: 715 gas (Cost only applies when called by a contract)
- input: 0xef5...fb05b
- decoded input: {}
- decoded output: [{"0": "string: zone B"}]