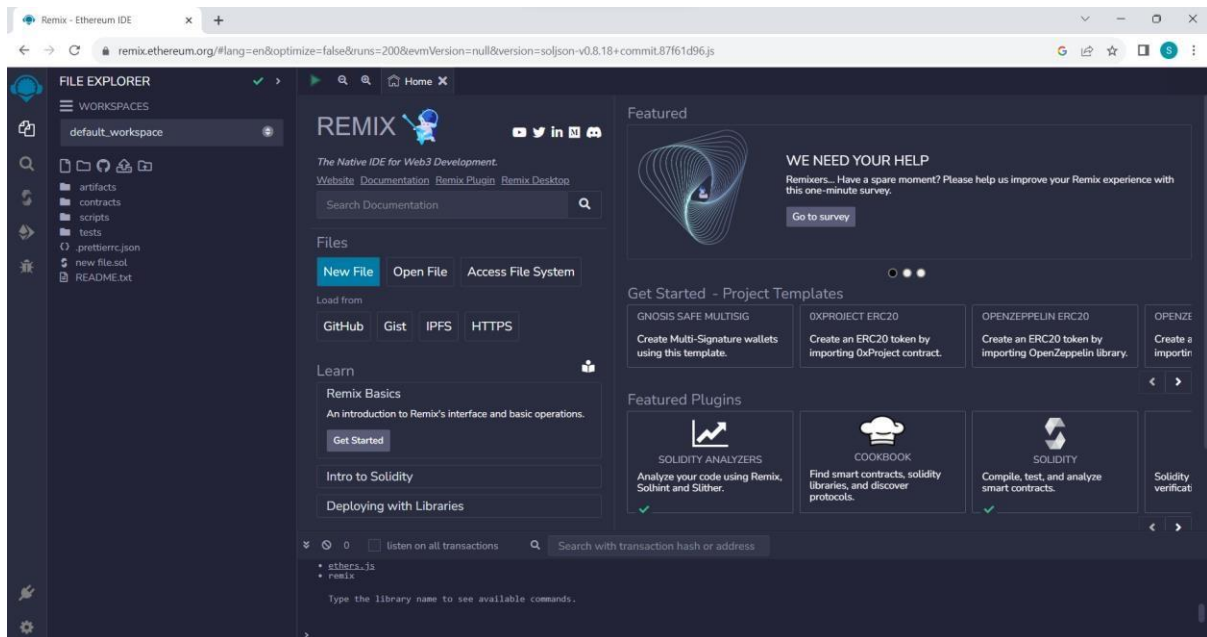


BLOCKCHAIN TECHNOLOGY

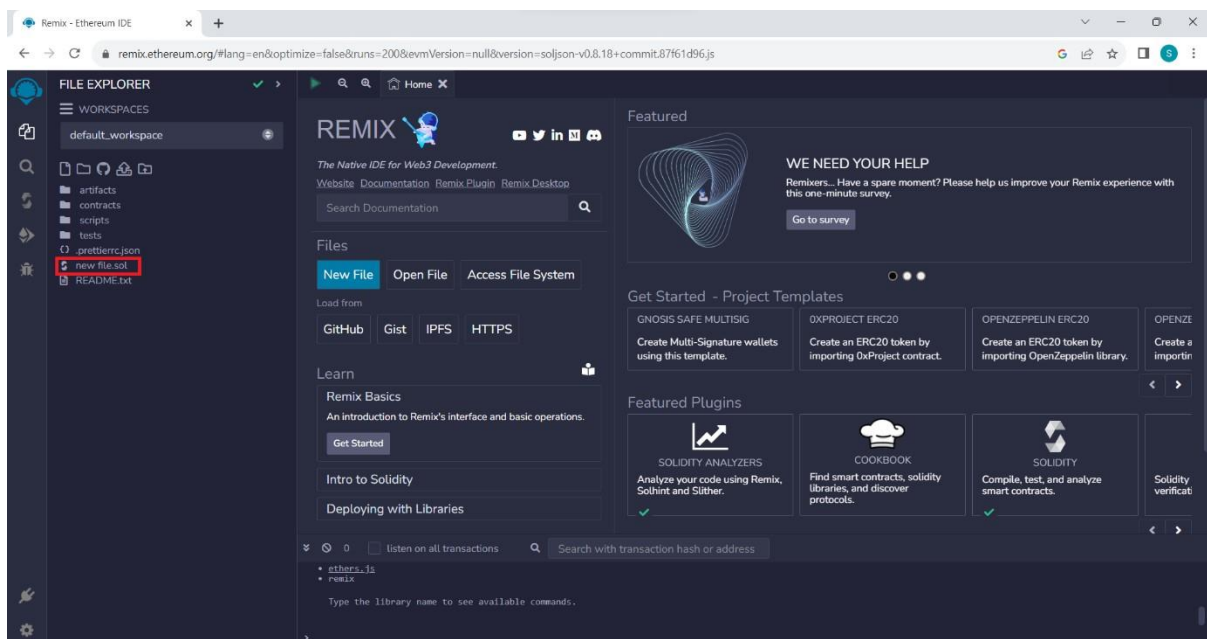
ASSIGNMENT-1

NAME: MOHAMMED SHAKI M

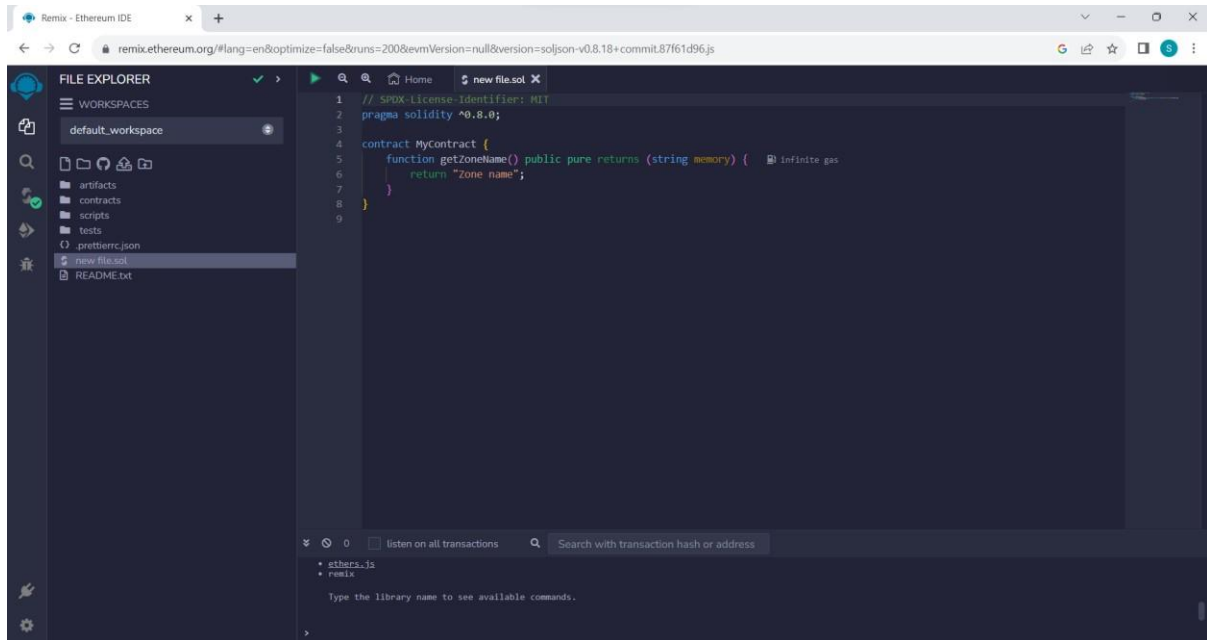
1. Go to the chrome and open File remix platform



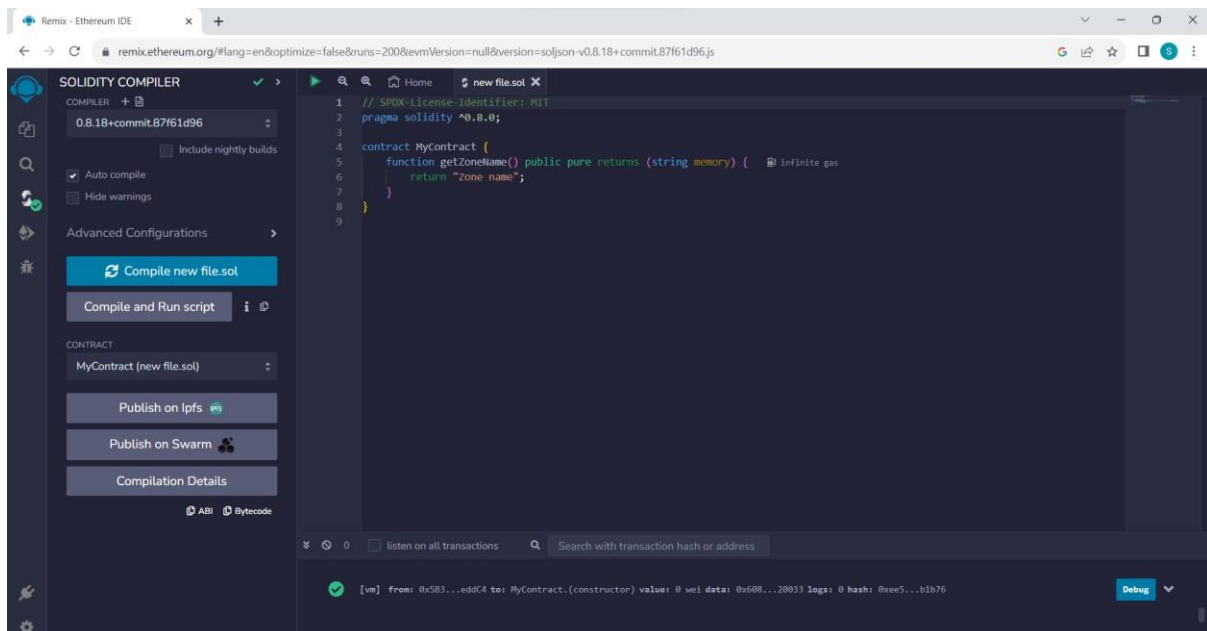
2. Open the remix page and create a new file



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



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



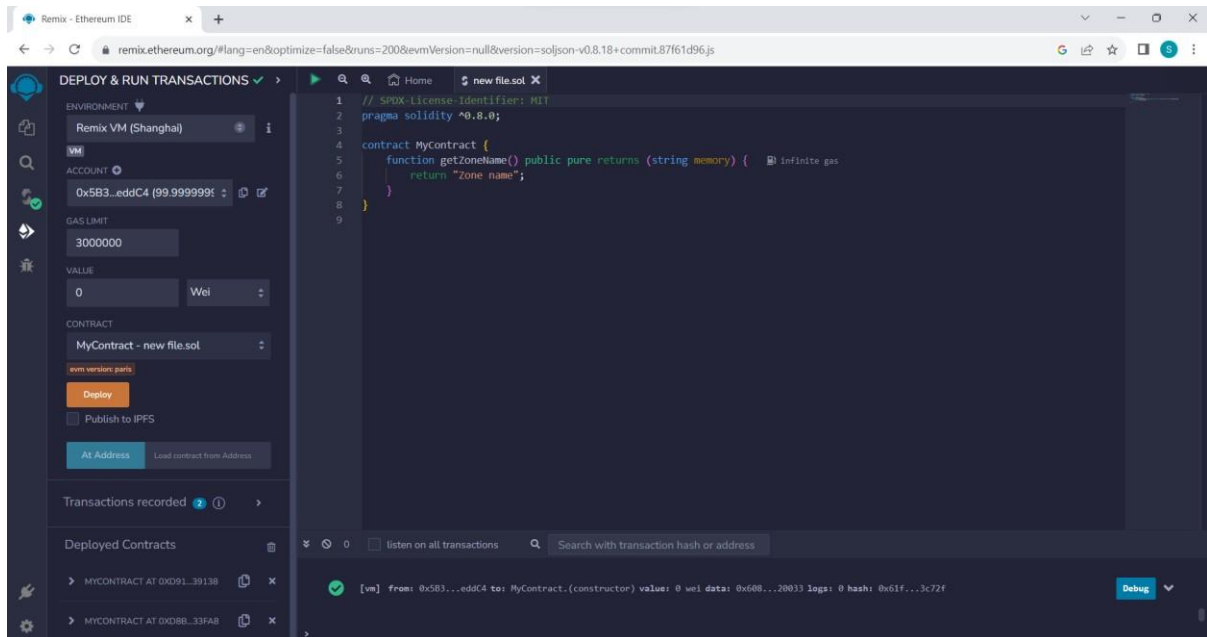
ABI:

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

Bytecode:

```
608060405234801561001057600080fd5b50610173806100206000396000f3fe608060405234801561
001057600080fd5b506004361061002b5760003560e01c8063235ed70f14610030575b600080fd5b61
003861004e565b604051610045919061011b565b60405180910390f35b60606040518060400160405
280600981526020017f5a6f6e65206e616d6500000000000000000000000000000000000000
00815250905090565b600081519050919050565b600082825260208201905092915050565b60005b
838110156100c55780820151818401526020810190506100aa565b60008484015250505050565b600
0601f19601f8301169050919050565b60006100ed8261008b565b6100f78185610096565b93506101
078185602086016100a7565b610110816100d1565b840191505092915050565b6000602082019050
818103600083015261013581846100e2565b90509291505056fea26469706673582212201ebff89a09
59f4cfad2614b82b9c2b871297d389fdf2956d0d7f60f900f9637664736f6c63430008120033
```

5. Finally Deploy it to display the output



The screenshot displays the Remix Ethereum IDE interface. The central editor shows a Solidity contract named `MyContract` with a function `getZoneName` that returns the string "Zone name". The left sidebar contains the "DEPLOY & RUN TRANSACTIONS" panel, which is configured with the "Remix VM (Shanghai)" environment, account `0x5B3...eddC4`, a gas limit of 3,000,000, and a value of 0 Wei. The contract selected for deployment is "MyContract - new file.sol". The "Deploy" button is highlighted in orange. Below the deployment settings, the "Deployed Contracts" section lists two instances of `MYCONTRACT` at addresses `0xD91...3913B` and `0XDB8...3FA8`. The bottom status bar shows a successful deployment message: "[vm] from: 0x5B3...eddC4 to: MyContract.(constructor) value: 0 wei data: 0x608...20033 logs: 0 hash: 0x61f...3c72f".

```
1 // SPDX-License-Identifier: MIT
2 pragma solidity ^0.8.0;
3
4 contract MyContract {
5     function getZoneName() public pure returns (string memory) {
6         return "Zone name";
7     }
8 }
9
```

ENVIRONMENT: Remix VM (Shanghai)

ACCOUNT: 0x5B3...eddC4 (99.999999%)

GAS LIMIT: 3000000

VALUE: 0 Wei

CONTRACT: MyContract - new file.sol

Deploy

At Address

Deployed Contracts

- MYCONTRACT AT 0xD91...3913B
- MYCONTRACT AT 0XDB8...3FA8

[vm] from: 0x5B3...eddC4 to: MyContract.(constructor) value: 0 wei data: 0x608...20033 logs: 0 hash: 0x61f...3c72f