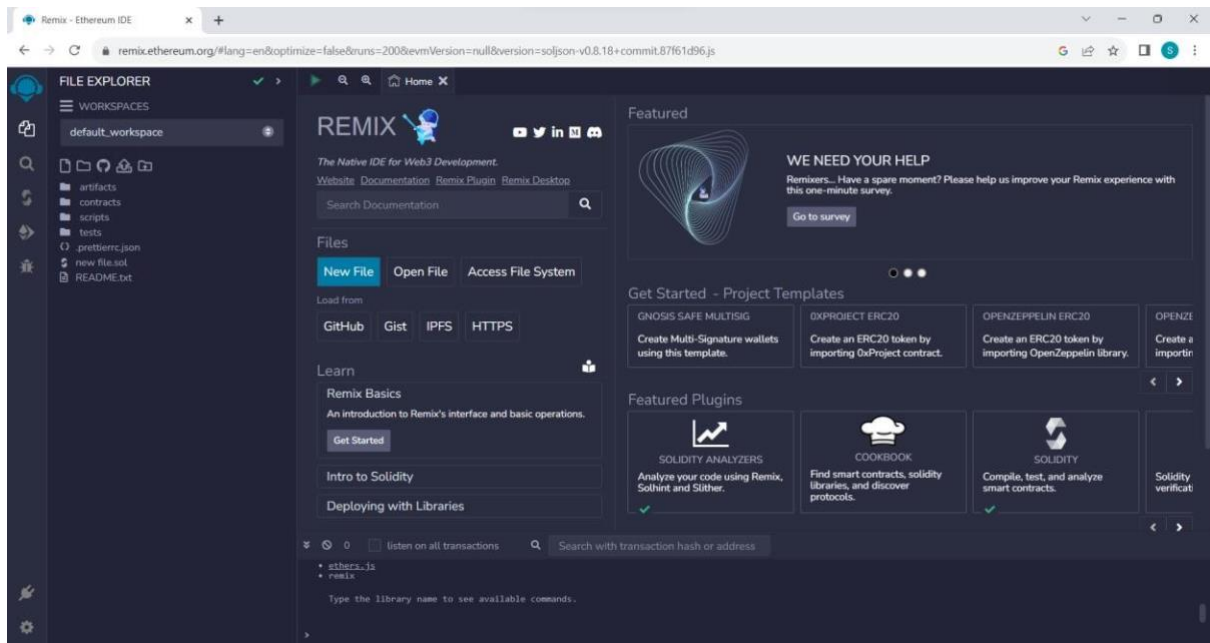


# BLOCKCHAIN TECHNOLOGY

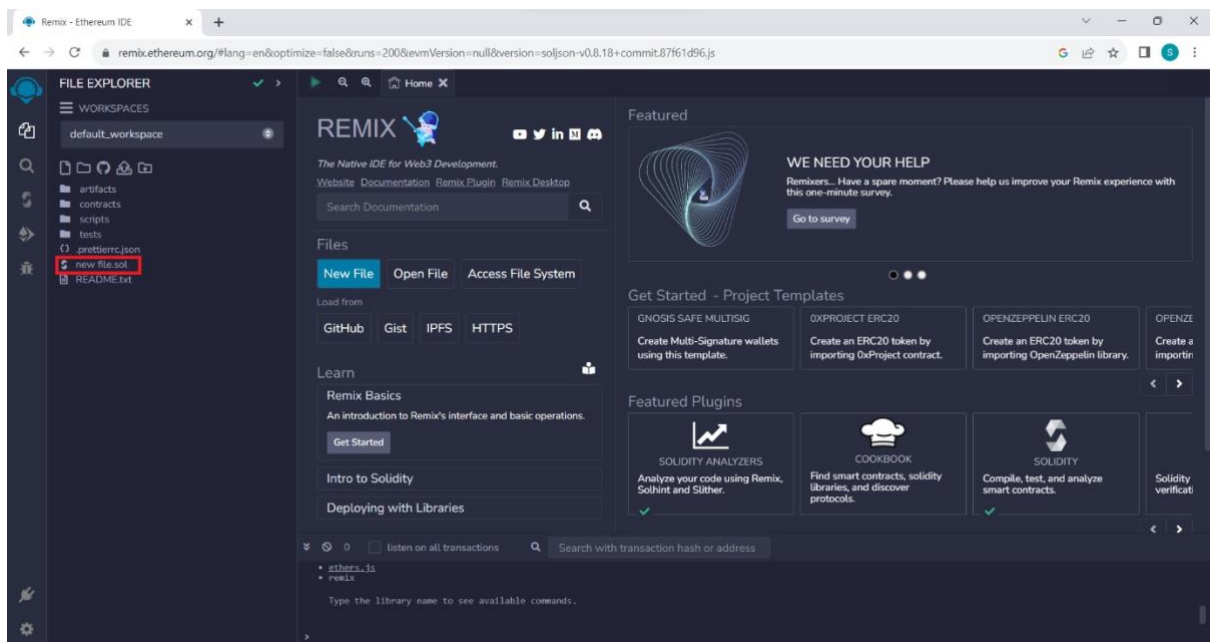
## ASSIGNMENT-1

NAME: AKASH.A.J

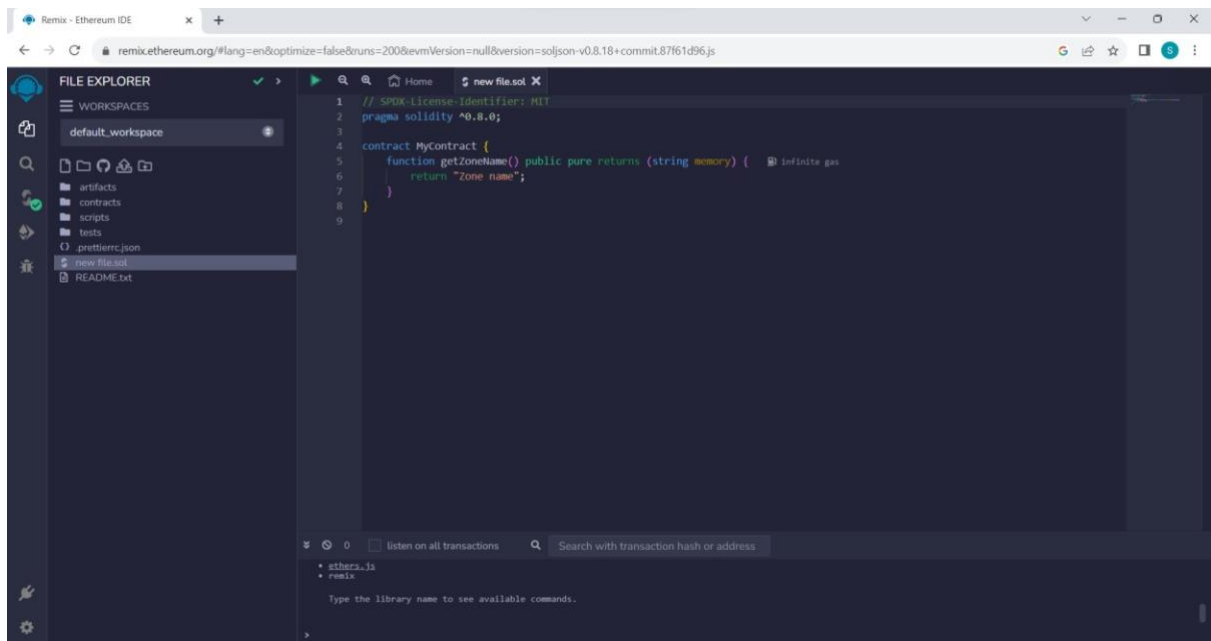
### 1.Go to the chrome and open remix platform



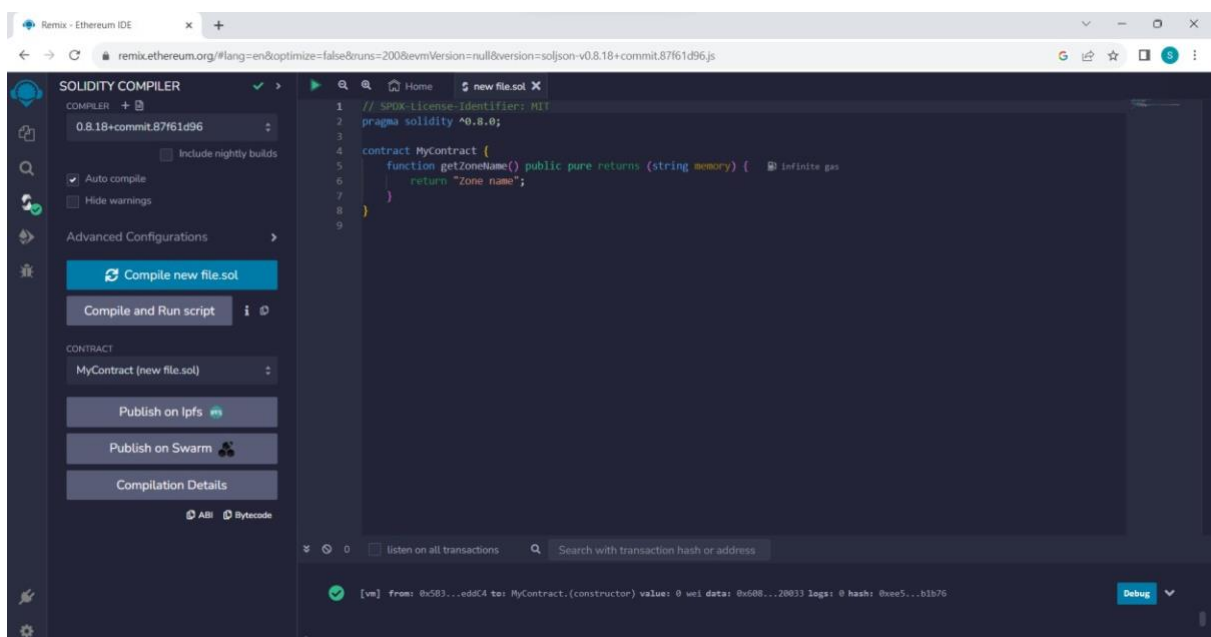
### 2.Open the remix page and create a new file



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



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



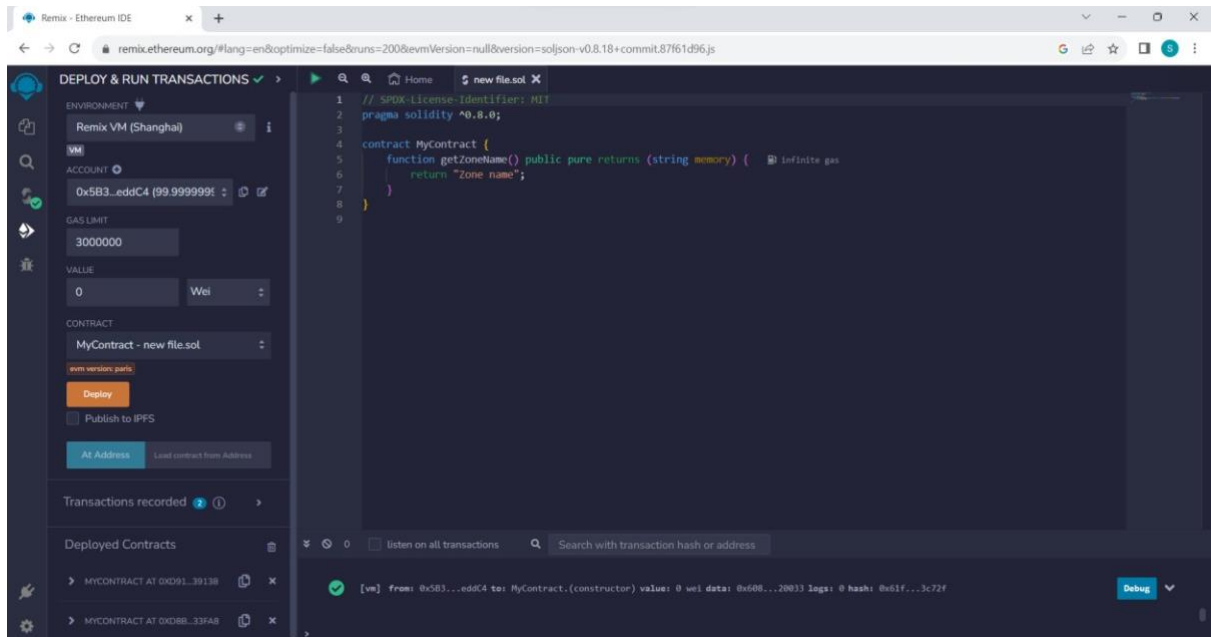
**ABI:**

```
[
  {
    "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 left sidebar contains the 'DEPLOY & RUN TRANSACTIONS' panel, which is currently active. It shows the 'ENVIRONMENT' set to 'Remix VM (Shanghai)', the 'ACCOUNT' as '0x5B3...eddC4 (99.999999%)', and the 'GAS LIMIT' set to '3000000'. The 'CONTRACT' dropdown is set to 'MyContract - new file.sol'. Below this, there are buttons for 'Deploy' and 'Publish to IPFS'. The 'Transactions recorded' section shows two transactions, both successful. The 'Deployed Contracts' section shows two contracts, 'MYCONTRACT AT 0xD91...39138' and 'MYCONTRACT AT 0xD9B...33FAB'. The main editor area displays the Solidity code for 'MyContract.sol':

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

The bottom status bar shows a green checkmark and the message: '[vm] from: 0x5B3...eddC4 to: MyContract.(constructor) value: 0 wei data: 0x608...20033 logs: 0 hash: 0x61f...3c72f'. A 'Debug' button is visible on the right side of the status bar.