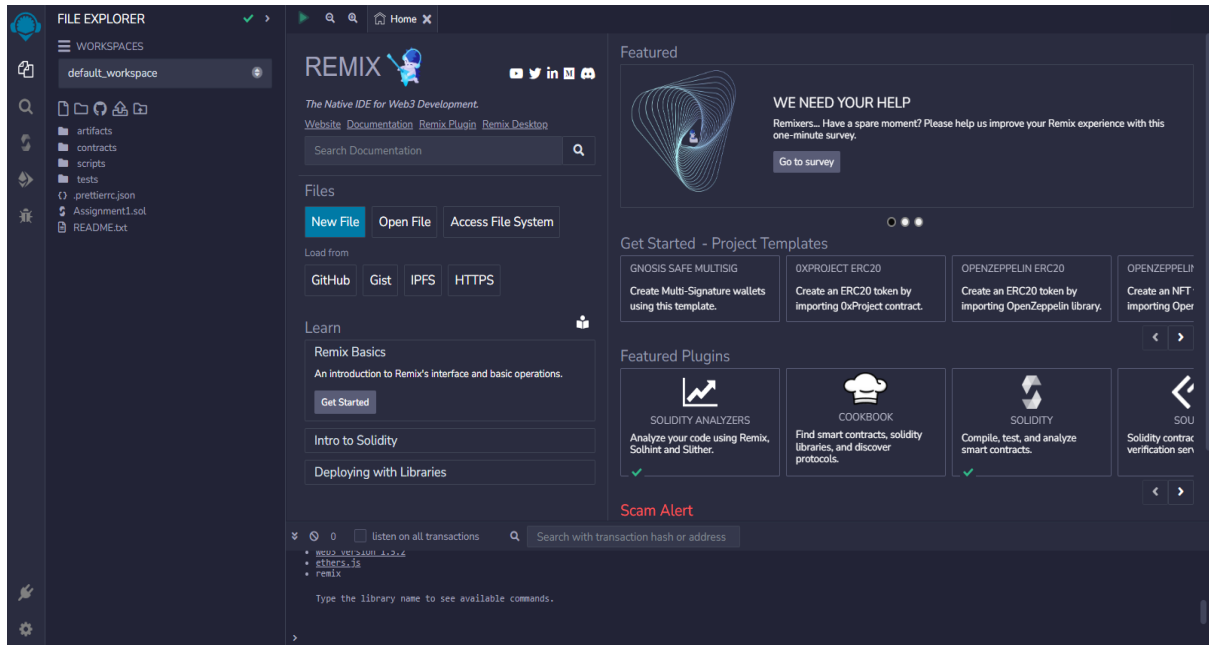
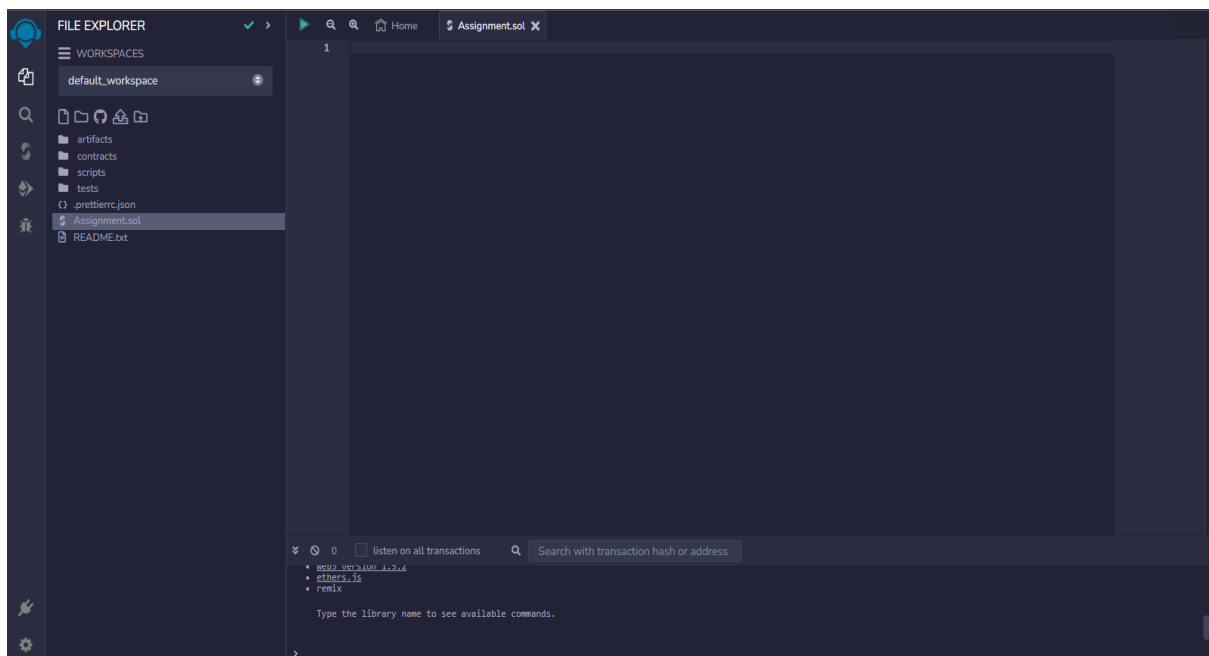


Assignment on Blockchain Technology 1

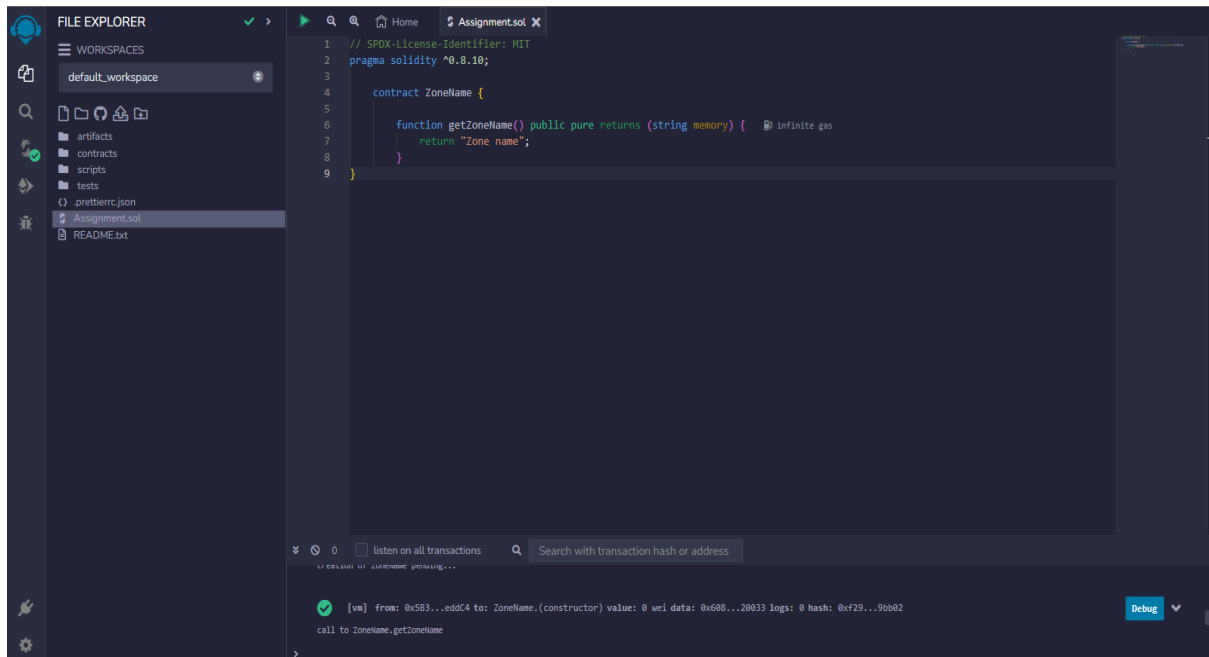
1.Go to the chrome and open remix platform



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

Program:

```
// SPDX-License-Identifier: MIT
```

```
pragma solidity ^0.8.10;
```

```
contract ZoneName {
```

```
    function getZoneName() public pure returns (string memory) {
```

```
        return "Zone name";
```

```
    }
```

```
}
```

ABI:

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

Bytecode:

```
608060405234801561001057600080fd5b50610173806100206000396000f3fe608060405234801561
001057600080fd5b506004361061002b5760003560e01c8063235ed70f14610030575b600080fd5b61
003861004e565b604051610045919061011b565b60405180910390f35b60606040518060400160405
280600981526020017f5a6f6e65206e616d6500000000000000000000000000000000000000
00815250905090565b600081519050919050565b600082825260208201905092915050565b60005b
838110156100c55780820151818401526020810190506100aa565b60008484015250505050565b600
0601f19601f8301169050919050565b60006100ed8261008b565b6100f78185610096565b93506101
078185602086016100a7565b610110816100d1565b840191505092915050565b6000602082019050
818103600083015261013581846100e2565b90509291505056fea2646970667358221220f90005021
19d30f64b2dbe7ff2ca2448e1b8ca6fbcbad4cd45ded4a49f16130f64736f6c63430008120033
```

5.Finally Deploy it to display the output

The screenshot shows the Remix IDE interface. On the left, the 'DEPLOY & RUN TRANSACTIONS' sidebar is open. It displays the environment as 'Remix VM (Shanghai)', the account as '0x5B3...eddC4 (99.99999999)', and the gas limit as '3000000'. The contract selected is 'ZoneName - Assignment.sol'. The 'Deploy' button is highlighted. Below the sidebar, the 'Transactions recorded' and 'Deployed Contracts' sections are visible. The main editor shows the Solidity code for the 'ZoneName' contract, which has a 'getZoneName' function that returns the string 'Zone name'. The bottom status bar shows a successful transaction: '[vm] from: 0x5B3...eddC4 to: ZoneName.(constructor) value: 0 wei data: 0x68...20833 logs: 0 hash: 0xf29...9b082 call to ZoneName.getZoneName'.

This screenshot focuses on the 'Deployed Contracts' section of the Remix IDE. It shows the deployed contract 'ZONENAME AT 0xD91...39138 (N)'. The balance is '0 ETH'. The 'getZoneName' function is highlighted, and the 'call' button is active. The output of the call is '0: string: Zone name'. The 'Low level interactions' section shows the 'CALLDATA' and a 'Transact' button.

```
CALL [call] from: 0x5B380a6a701c568545dCfcB03FcB875f56beddC4 to: ZoneName.getZoneName() data: 0x235...ed70f
```