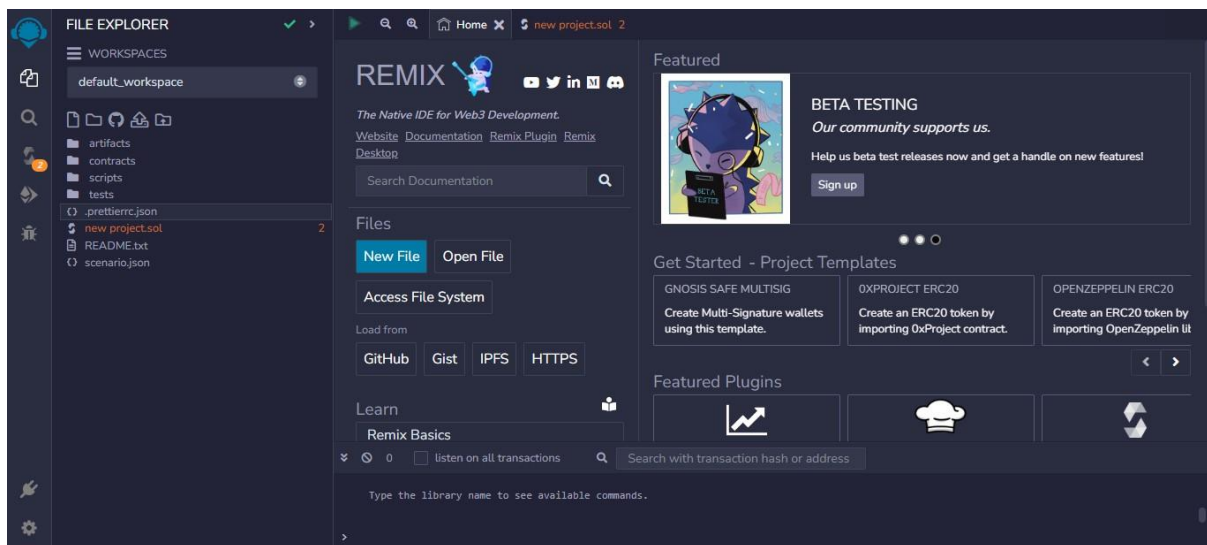


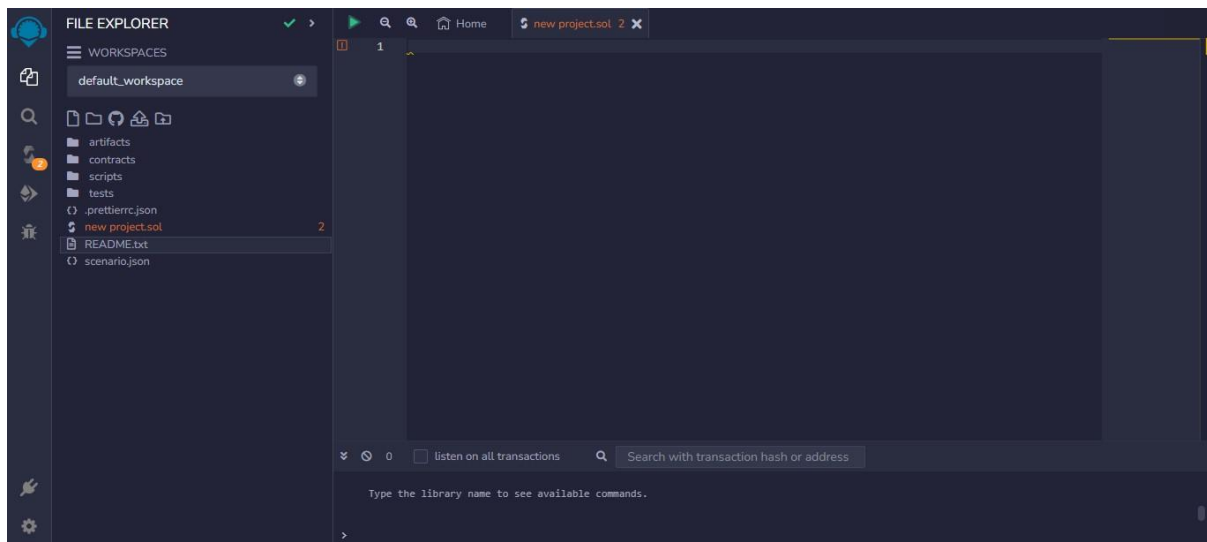
ASSIGNMENT -1

NAME	P.ABINAYA
PROJECT NAME:	AGRICULTURE DOCS CHAIN USING BLOCKCHAIN
TEAM ID	NM2023TMID01235
COLLEGE	ADHIPARASAKTHI ENGINEERING COLLEGE

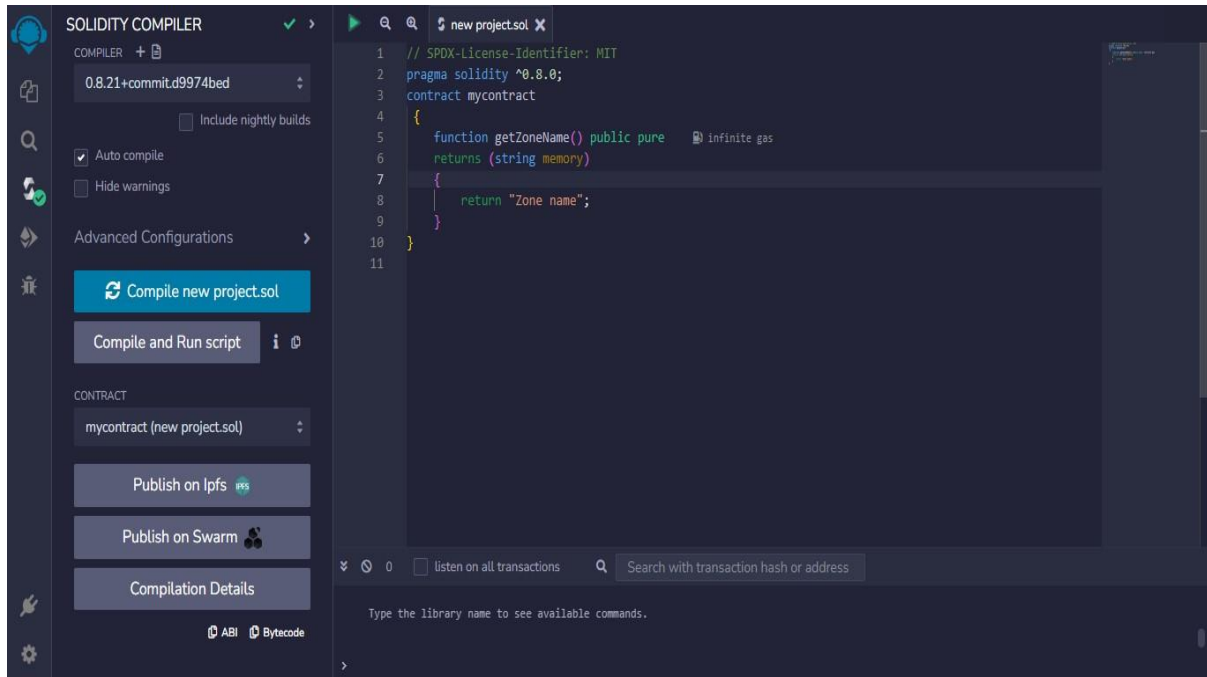
1.Go to the chrome and open remix platform



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 ^0.8.13;
contract mycontract
{
    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": "getZoneName",
    "outputs": [
      {
        "internalType": "string",
        "name": "",
```

```

        "type": "string"
    },
    "stateMutability": "pure",
    "type": "function"
}
]

```

Bytecode:

```

608060405234801561001057600080fd5b50610173806100206000396000f3fe6
08060405234801561001057600080fd5b506004361061002b5760003560e01c80
63235ed70f14610030575b600080fd5b61003861004e565b60405161004591906
1011b565b60405180910390f35b6060604051806040016040528060098152602
0017f5a6f6e65206e616d650000000000000000000000000000000000000000
0000815250905090565b600081519050919050565b6000828252602082019050
92915050565b60005b838110156100c557808201518184015260208101905061
00aa565b60008484015250505050565b6000601f19601f8301169050919050565
b60006100ed8261008b565b6100f78185610096565b935061010781856020860
16100a7565b610110816100d1565b840191505092915050565b6000602082019
050818103600083015261013581846100e2565b90509291505056fea264697066
7358221220de928d37c2ccf4326108d8d4ce3e44d787cfd0b8ee72b632f0e5d1f9b
b28622a64736f6c63430008120033

```

5.Finally Deploy it to display the output

The screenshot displays the Remix IDE interface, which is used for writing, compiling, and deploying Solidity smart contracts. The interface is divided into several panels:

- Left Panel (Deploy & Run Transactions):** This panel shows the contract being deployed, "mycontract - new project.sol". It includes a "Deploy" button, a "Publish to IPFS" checkbox, and a section for "Deployed Contracts". Under "Deployed Contracts", the contract "MYCONTRACT AT 0xD91...39138" is listed. Below this, the "getZoneName" function is shown with its input "0: string: Zone name" and a "Transact" button.
- Top Right Panel (Compiler):** This panel shows the Solidity code for the contract. The code defines a contract named "mycontract" with a public function "getZoneName" that returns a string. The function is decorated with "public pure" and "infinite gas".
- Bottom Right Panel (Transaction Log):** This panel shows the execution details of the "getZoneName" function. It includes a "Debug" button and a table of transaction data. The table shows the transaction was executed from address "0x58380a6a701c568545dcfc803fc8875f56bedc4" to the contract address "0xd9145c3e320386f254917e481e844e9943f39138". The execution cost was 715 gas. The input was "0x235...ed70f" and the output was "0: 'string: Zone name'".