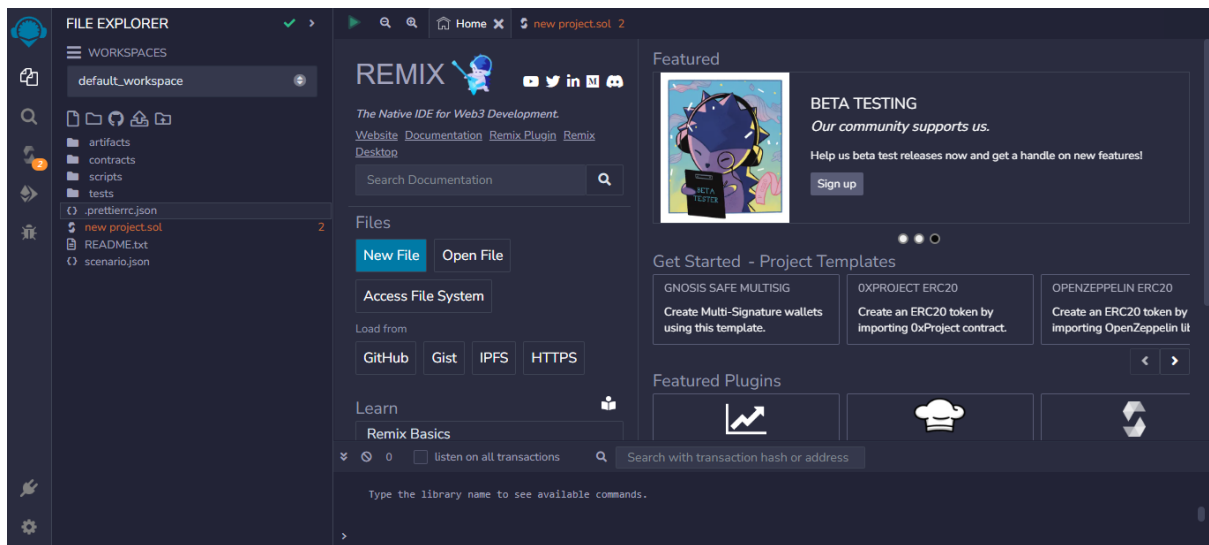


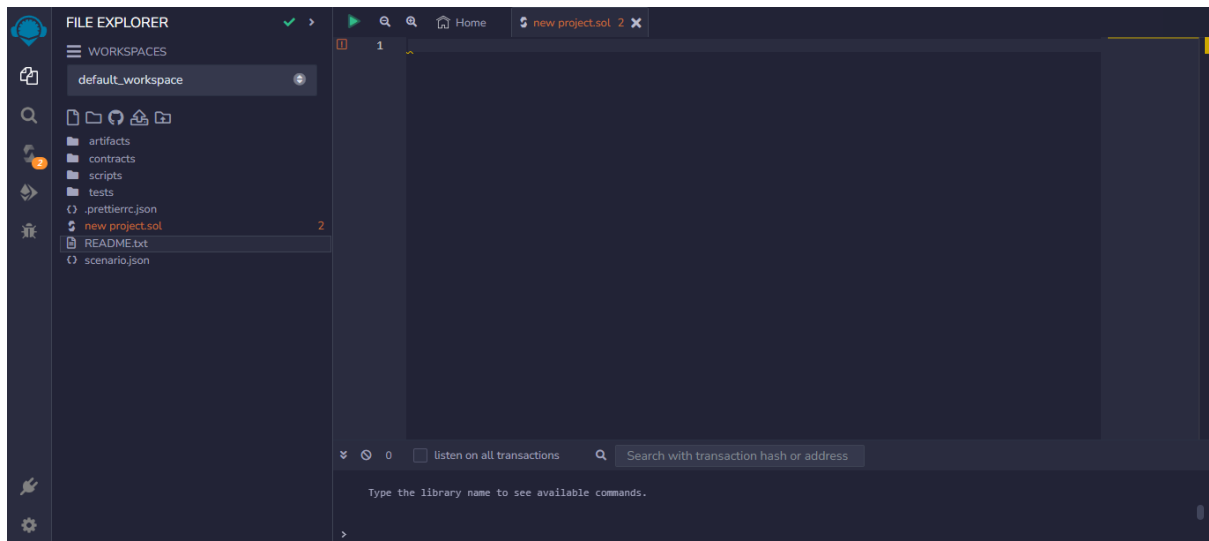
# ASSIGNMENT -1

NAME	V. VARSHINI
PROJECT NAME:	CLIMATE TRACKING USING BLOCKCHAIN
TEAM ID	NM2023TMID01196

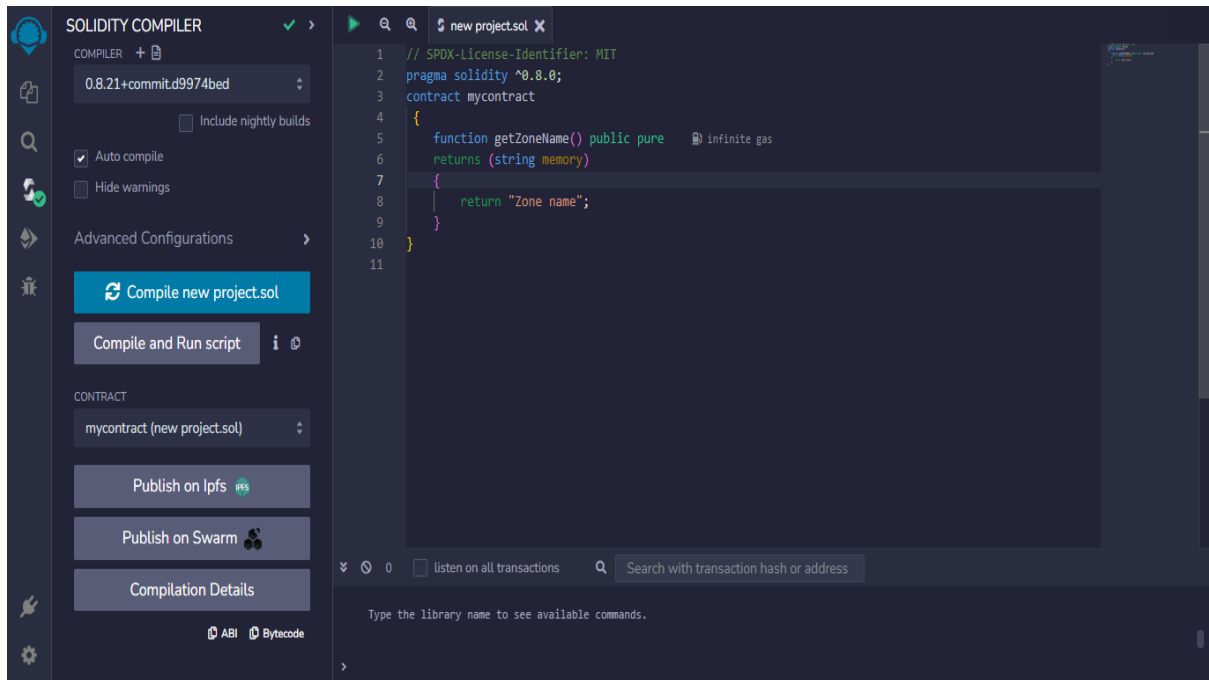
## 1.Go to the chrome and open remix platform



## 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 with the following components:

- Left Panel (Deploy & Run Transactions):**
  - CONTRACT:** mycontract - new project.sol
  - env version:** paris
  - Deploy:** Button to deploy the contract.
  - Publish to IPFS:** Checkbox (unchecked).
  - At Address:** Button to load a contract from a specific address.
  - Transactions recorded:** Section showing recorded transactions.
  - Deployed Contracts:** Section showing the deployed contract 'MYCONTRACT AT 0XD91...39138' with a balance of 0 ETH. It includes a 'getZoneName' button and a decoded output of '0: string: Zone name'.
  - Low level interactions:** Section with a 'CALLDATA' input field and a 'Transact' button.
- Right Panel (Editor & Debugger):**
  - Editor:** Displays the Solidity code for 'mycontract' with a MIT license header, pragma solidity ^0.8.13; and a public pure function getZoneName() that returns the string 'Zone name'.
  - Debugger:** Shows a call stack for a transaction from 0x58380a6a781c568545dcfc803fc8875f56beddC4 to mycontract.getZoneName(). It details the execution cost (715 gas), input (0x235...ed70f), decoded input ({}), and decoded output ({ "0": "string: Zone name" }).