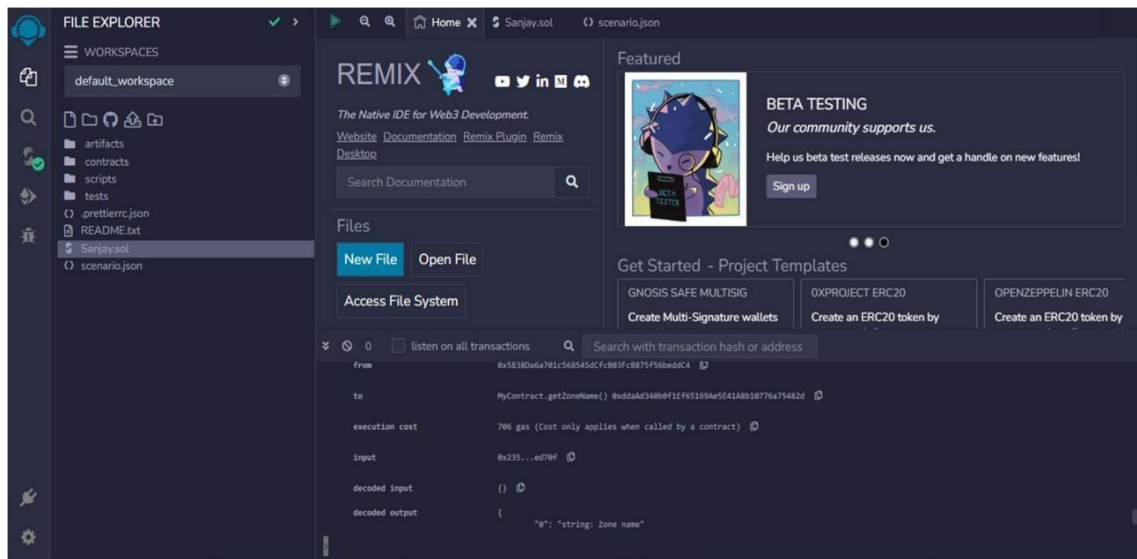


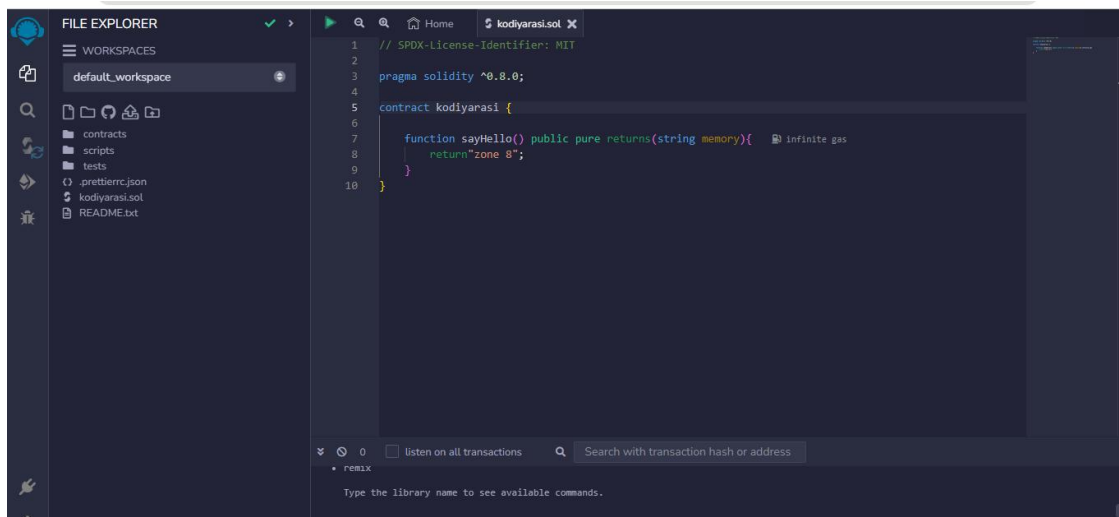
## ASSIGNMENT -1

NAME	KODIYARASI S
ZONE	8
COLLEGE	GANESH COLLEGE OF ENGINEERING
TEAM ID	NM2023TMID00968

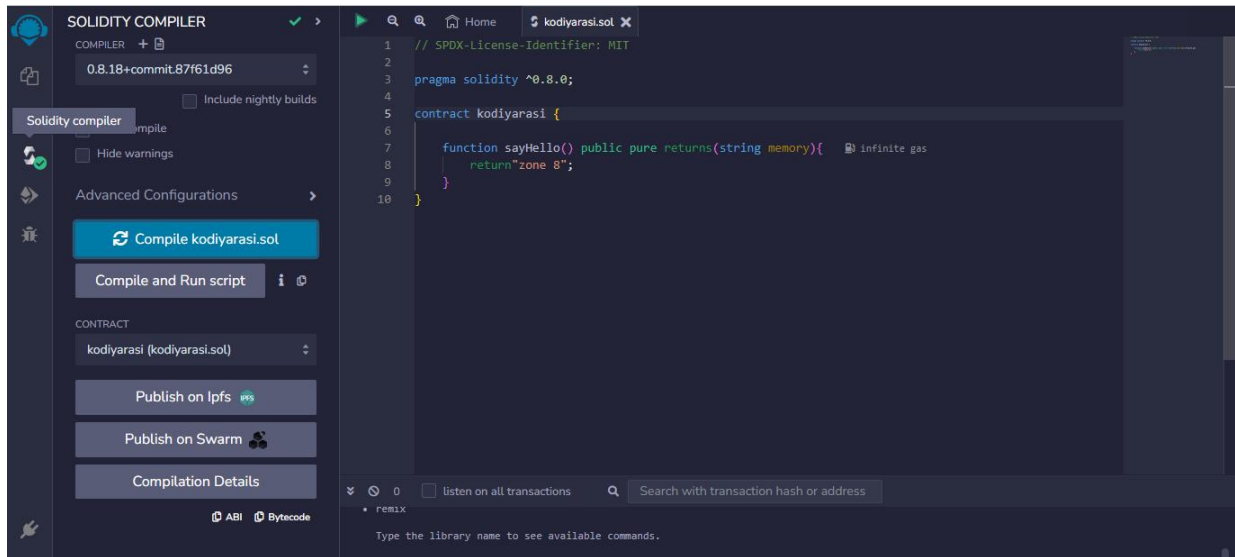
1. Go to the chrome and open remix platform



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 ^0.8.0;
contract kodiyarasi{
    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": "sayHello",
    "outputs": [
      {
        "internalType": "string",
        "name": "",
        "type": "string"
      }
    ],
    "stateMutability": "pure",
    "type": "function"
  }
]
```

BYTECODE:

608060405234801561001057600080fd5b50610173806100206000396000f3fe608  
060405234801561001057600080fd5b506004361061002b5760003560e01c8063ef  
5fb05b14610030575b600080fd5b61003861004e565b604051610045919061011b5  
65b60405180910390f35b60606040518060400160405280600681526020017f7a6f  
6e65203800815250  
905090565b600081519050919050565b600082825260208201905092915050565b  
60005b838110156100c55780820151818401526020810190506100aa565b600084  
84015250505050565b6000601f19601f8301169050919050565b60006100ed82610  
08b565b6100f78185610096565b93506101078185602086016100a7565b61011081  
6100d1565b840191505092915050565b6000602082019050818103600083015261  
013581846100e2565b90509291505056fea264697066735822122024ad6c27e917d  
973d162827ce083a5f1591aa94b2522540492e48d91c5bb89c864736f6c634300081  
20033

## 5. Finally Deploy it to display the output

The screenshot displays the Remix IDE interface, which is used for developing, deploying, and interacting with Ethereum smart contracts. The interface is divided into several panels:

- Left Panel (Deploy & Run Transactions):** This panel contains the Solidity compiler settings, a 'Deploy' button, and a 'Publish to IPFS' checkbox. Below these, it shows 'Transactions recorded' and a list of 'Deployed Contracts'. The contract 'KODIYARASI' is listed with its address '0xD91...39138'. Underneath, the 'sayHello' function is shown with its input '0: string: zone 8'.
- Top Panel (Code Editor):** This panel displays the Solidity source code for the 'kodyarasi' contract. The code is as follows:

```
1 // SPDX-License-Identifier: MIT
2
3 pragma solidity ^0.8.0;
4
5 contract kodyarasi {
6
7     function sayHello() public pure returns(string memory){ @ Infinite gas
8         return "zone 8";
9     }
10 }
```
- Bottom Panel (Transaction Details):** This panel shows the details of a transaction. It includes a search bar for transaction hash or address, a 'listen on all transactions' checkbox, and a 'Debug' button. The transaction details are as follows:
  - Call:** [call] from: 0x58380a6a701c568545dcfc803fc8875f56beddC4 to: kodyarasi.sayHello() data: 0xef5...fb05b
  - From:** 0x58380a6a701c568545dcfc803fc8875f56beddC4
  - To:** kodyarasi.sayHello() 0xd9145cCE320386f234917e421e44e9943f39118
  - Execution Cost:** 715 gas (Cost only applies when called by a contract)
  - Input:** 0xef5...fb05b
  - Decoded Input:** ()
  - Decoded Output:** { "0": "string: zone 8" }
  - Logs:** []