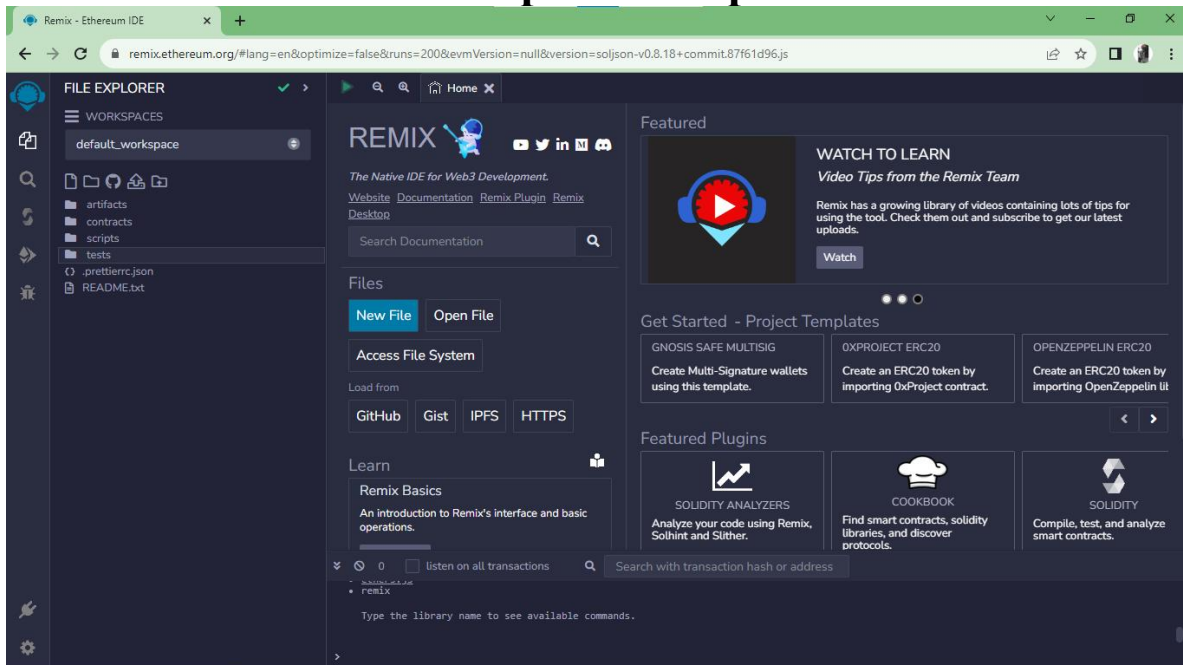


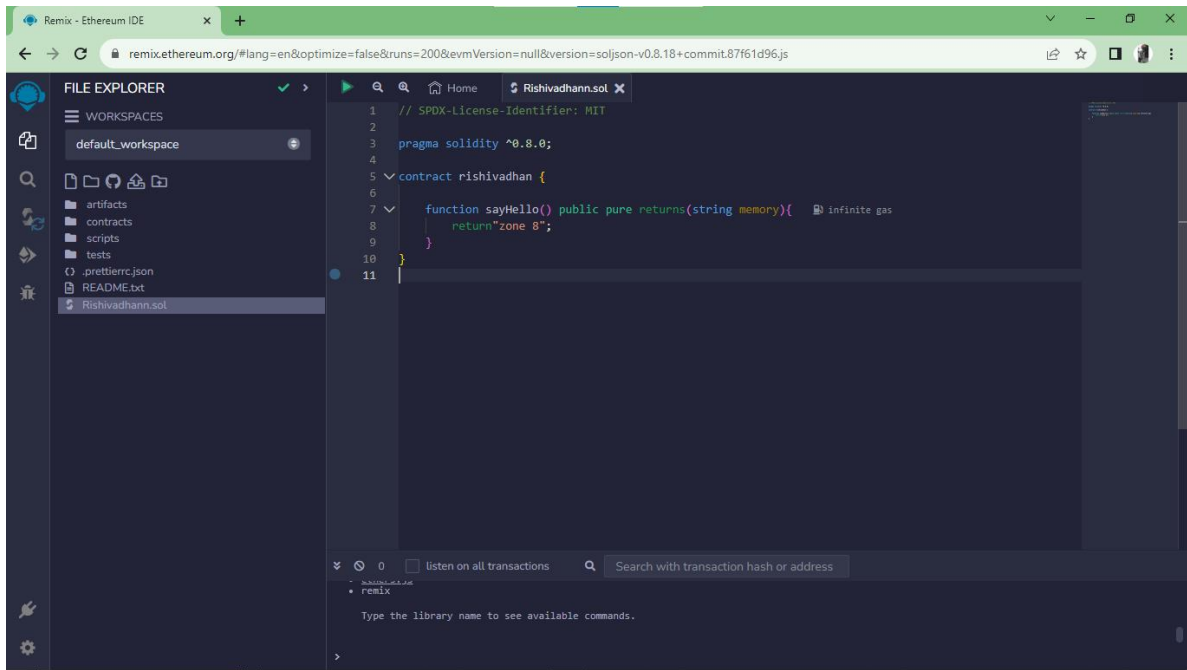
# ASSIGNMENT-1

NAME	Rishivadhan.P
ZONE	8
COLLEGE	GANESH COLLEGE OF ENGINEERING
TEAM ID	NM2023TMID00980

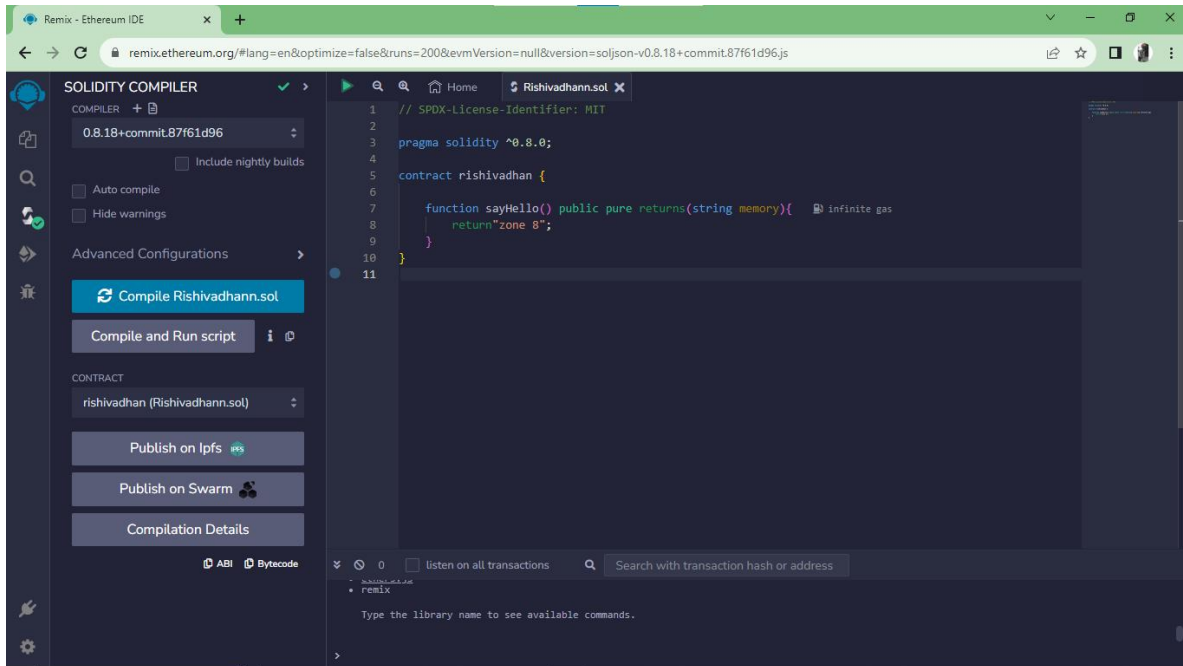
## 1.Go to the chrome and open remix platform



## 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 rishivadhan {
    function getZoneName() public pure
    returns (string memory) {
        return "Zone name";
    }
}
```

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

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

608060405234801561001057600080fd5b50610173806100206000  
396000f3fe608060405234801561001057600080fd5b50600436106  
1002b5760003560e01c8063ef5fb05b14610030575b600080fd5b61  
003861004e565b604051610045919061011b565b60405180910390f  
35b60606040518060400160405280600681526020017f7a6f6e6520  
3800  
815250905090565b600081519050919050565b6000828252602082  
01905092915050565b60005b838110156100c55780820151818401  
526020810190506100aa565b60008484015250505050565b600060  
1f19601f8301169050919050565b60006100ed8261008b565b6100f  
78185610096565b93506101078185602086016100a7565b6101108  
16100d1565b840191505092915050565b600060208201905081810  
3600083015261013581846100e2565b90509291505056fea2646970  
667358221220baf59a7599b9a2e7c355a202f0bff8d4af7b6744f2167  
18cfb0cbce9e70516d664736f6c63430008120033

## 5.Finally Deploy it to display the output

The screenshot displays the Remix Ethereum IDE interface. On the left, the 'DEPLOY & RUN TRANSACTIONS' sidebar is active, showing a gas limit of 3,000,000 and a value of 0 Wei. The contract 'rishivadhan - Rishivadhann.sol' is selected, and the 'Deploy' button is visible. Below the deployment options, the 'Transactions recorded' section shows a single transaction for the 'sayHello' function. The 'Deployed Contracts' section lists the contract 'RISHIVADHAN AT 0XD91...3913E' with a balance of 0 ETH and a 'sayHello' button. The 'Low level interactions' section shows the 'CALLDATA'.

The main editor displays the Solidity code for the 'rishivadhan' contract:

```
1 // SPDX-License-Identifier: MIT
2
3 pragma solidity ^0.8.0;
4
5 contract rishivadhan {
6
7     function sayHello() public pure returns(string memory){ infinite gas
8         return "zone 8";
9     }
10 }
```

The bottom panel shows the execution details for the 'sayHello' function call. The call was made from the address 0x58380a6a701c568545dcfc8875f56beddC4 to the contract address 0xd9145cCE520386f2549174481e844e9943f39138. The execution cost was 715 gas. The input was 0xef5...fb05b, and the decoded output was a JSON object: {"0": "string: zone 8"}. The logs section is currently empty.