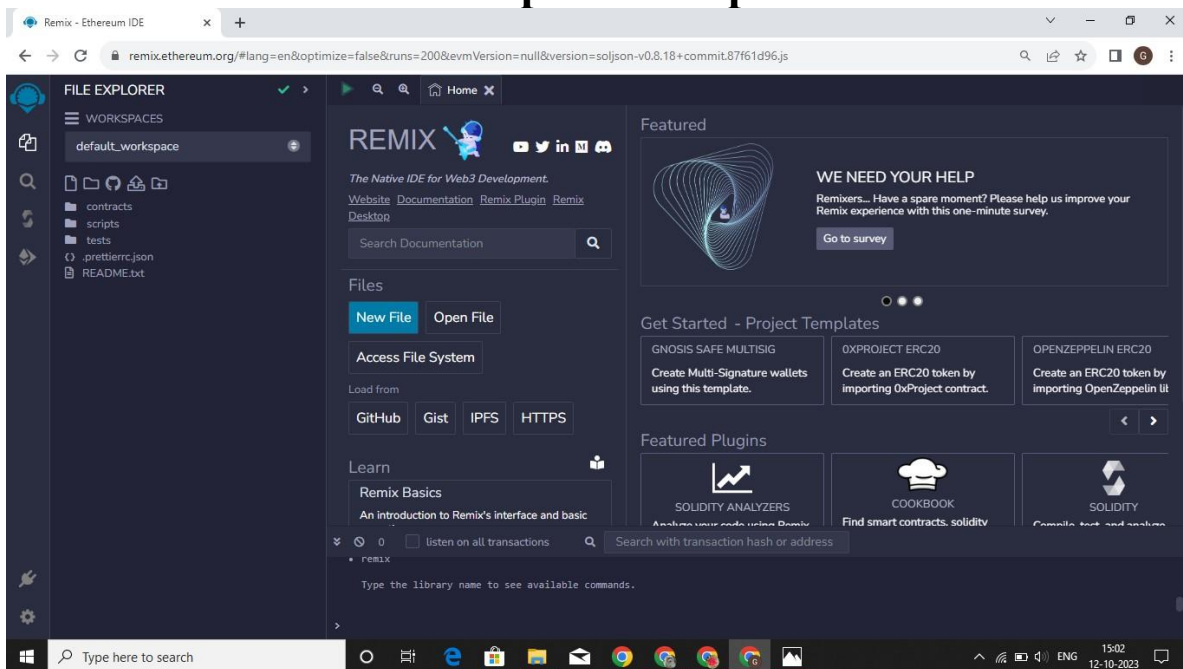


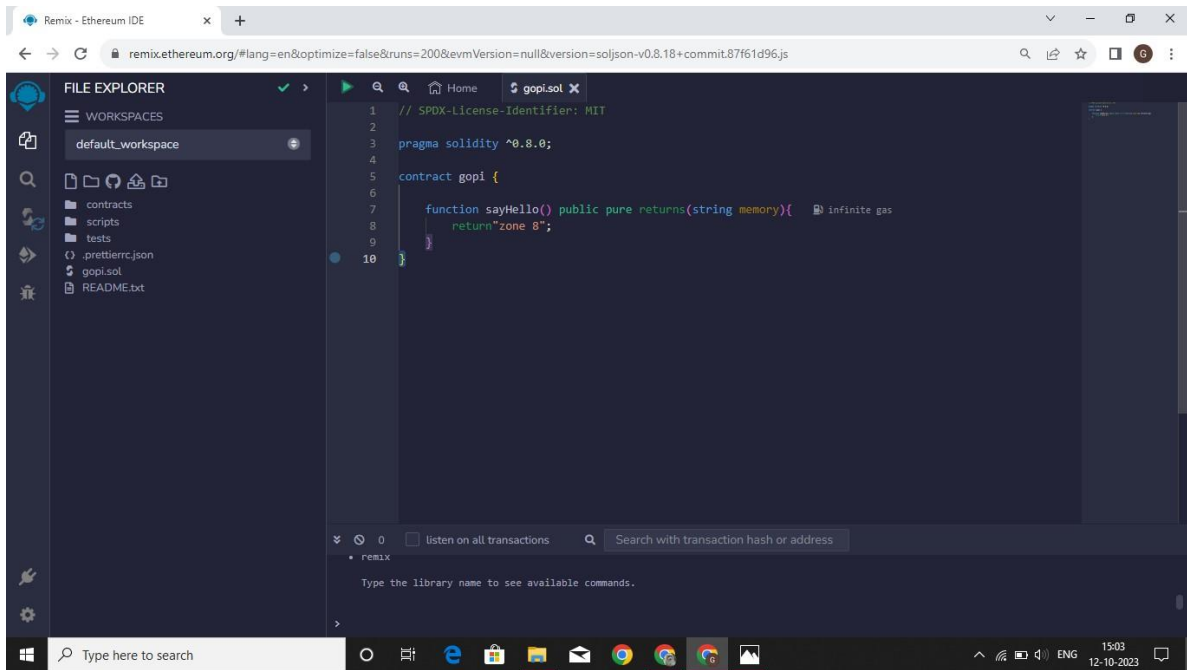
# ASSIGNMENT-1

NAME	GOPI.S
ZONE	8
COLLEGE	GANESH COLLEGE OF ENGINEERING
TEAM ID	NM2023TMID00984

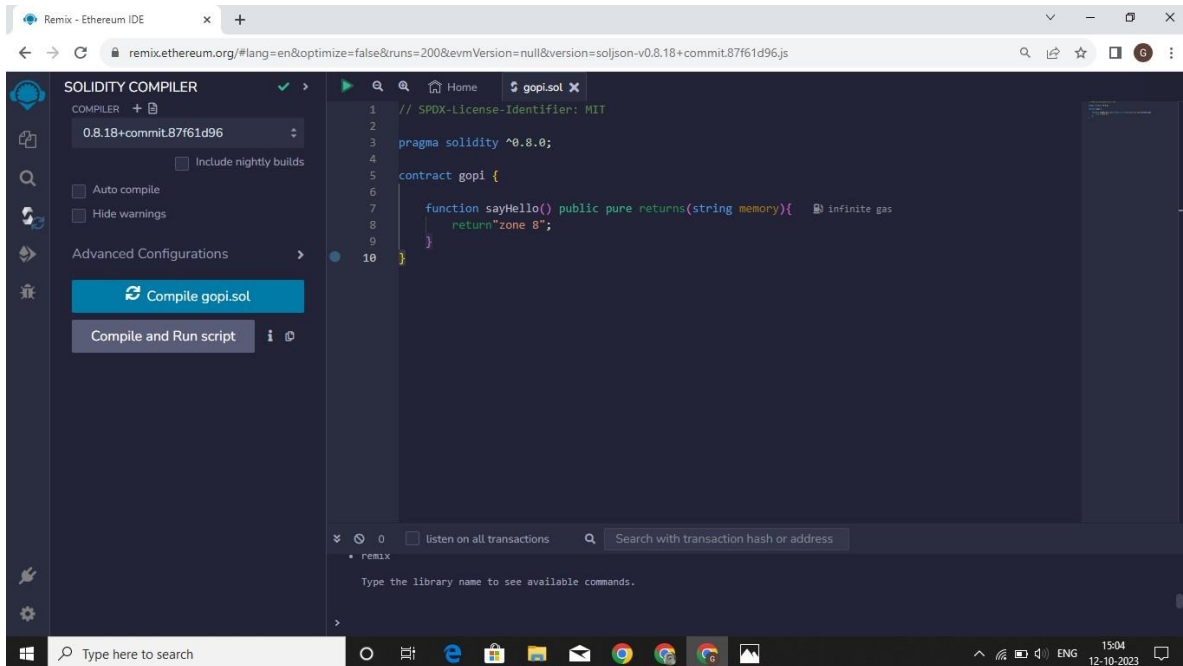
## 1.Go to the chrome and open remix platform



## 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 gopi {
    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. The top bar shows the browser address: `remix.ethereum.org/#lang=en&optimize=false&runs=200&evmVersion=null&version=soljson-v0.8.18+commit.87f61d96.js`.

**Left Panel: DEPLOY & RUN TRANSACTIONS**

- evm version:** paris
- Deploy** button
- ☐ Publish to IPFS
- At Address** button and **Load contract from Address** button
- Transactions recorded:** 1 (with a dropdown arrow)
- ☐ Run transactions using the latest compilation result
- Save** and **Run** buttons
- Deployed Contracts** section:
  - Contract: **Gopi AT 0xD91...39138 (MEMOR)**
  - Balance: 0 ETH
  - sayHello** button
  - Output: `0: string: zone 8`
- Low level interactions** section:
  - CALLDATA** input field
  - Transact** button

**Center Panel: Code Editor**

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

**Right Panel: Debug Console**

**CALL** [call] from: 0x58380a6a701c56854dcfc803fc8875f56beddc4 to: gopi.sayHello() data: 0xef5...fb05b

**from** 0x58380a6a701c56854dcfc803fc8875f56beddc4

**to** gopi.sayHello() 0xd9145cce520386f254917e481e844e9943f39138

**execution cost** 715 gas (Cost only applies when called by a contract)

**Input** 0xef5...fb05b

**decoded input** {}

**decoded output** { "0": "string: zone 8" }

**logs** []

The bottom status bar shows the system clock as 15:05 on 12-10-2023.