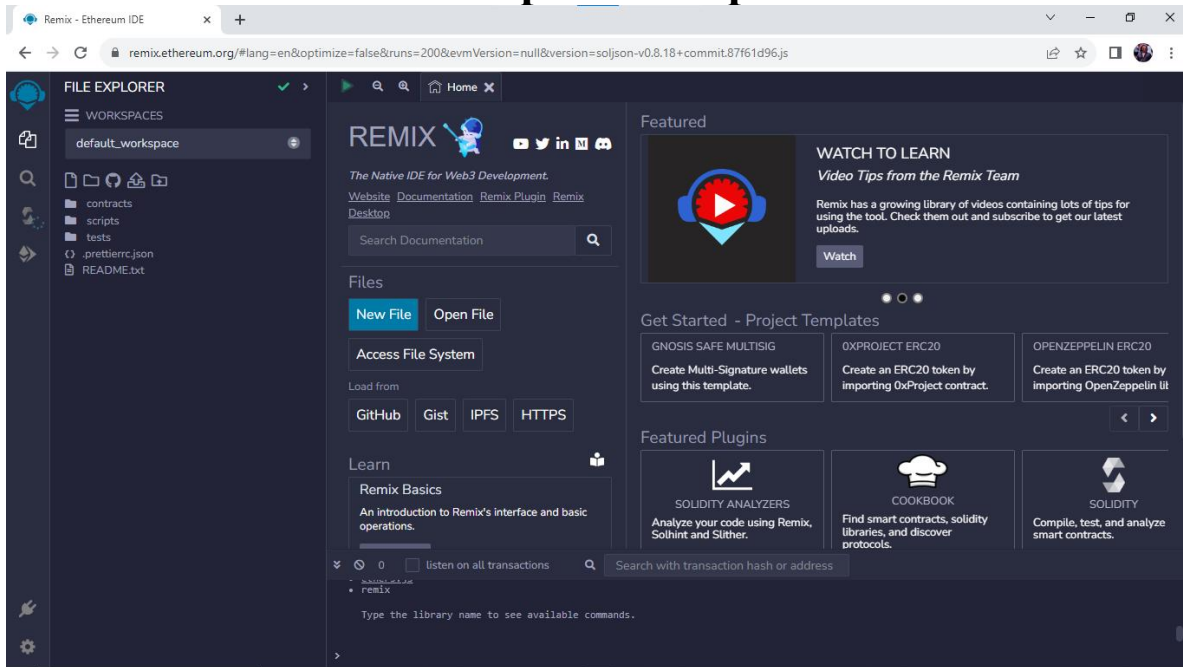


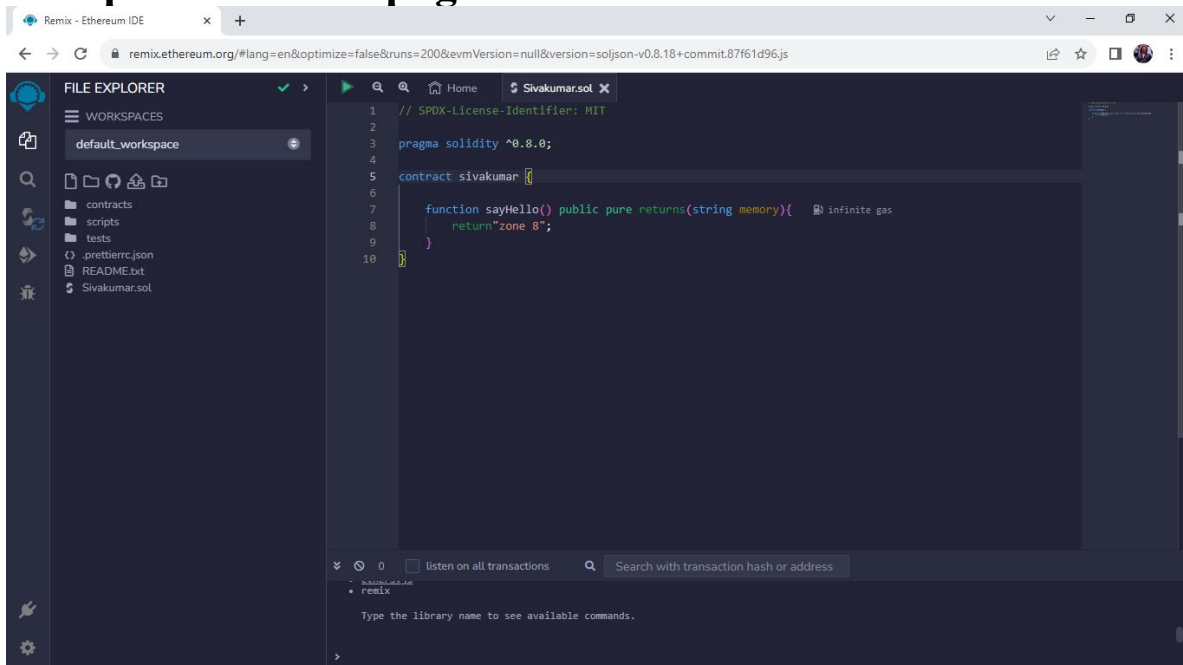
ASSIGNMENT-1

NAME	Sivakumar.C
ZONE	8
COLLEGE	GANESH COLLEGE OF ENGINEERING

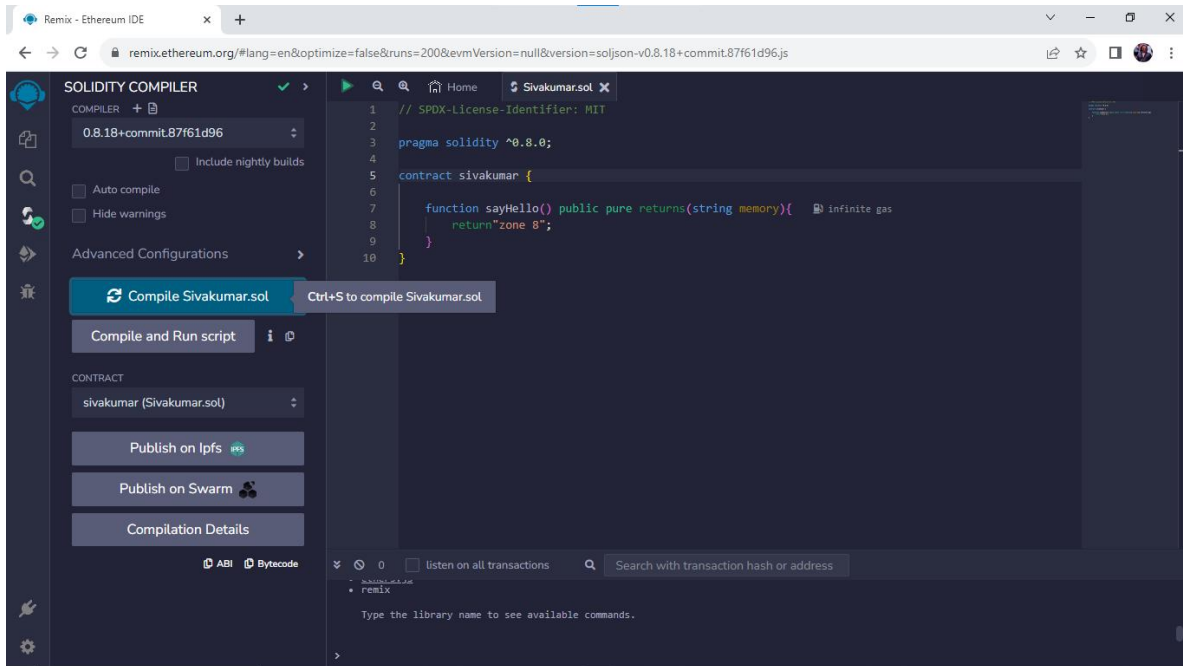
1.Go to the chrome and open remix platform



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 sivakumar {
    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, a value of 0 Wei, and the contract 'sivakumar - Sivakumar.sol'. The 'Deploy' button is highlighted. Below this, the 'Deployed Contracts' section shows the contract 'SIVAKUMAR AT 0XD91...39138' with a balance of 0 ETH and a 'sayHello' button. The 'Low level interactions' section shows 'CALLDATA'.

The main editor displays the Solidity code for 'Sivakumar.sol':

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

The right sidebar shows the 'Transactions recorded' section with a search bar. Below it, the 'call to sivakumar.sayHello' transaction is displayed with details:

- From: 0x58380a6a701c568545dcfc803fc875f56beddC4
- To: sivakumar.sayHello() @0x9145CCE520386F254917e481e844e9943F39138
- 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 'Debug' button is visible next to the transaction details.