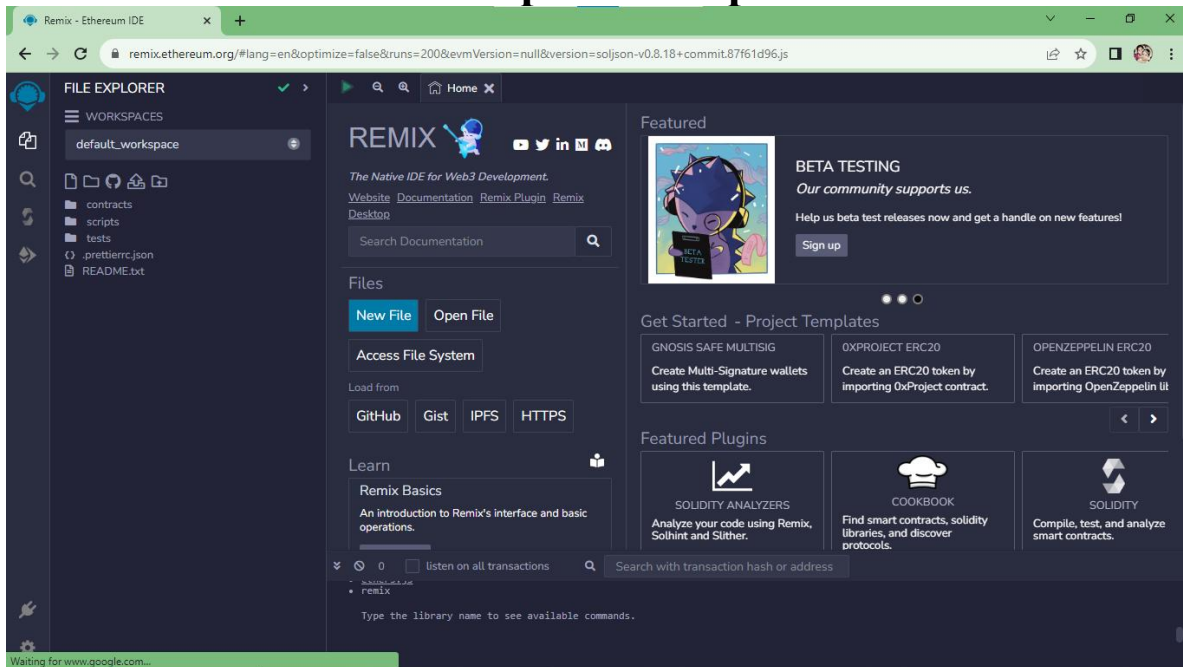


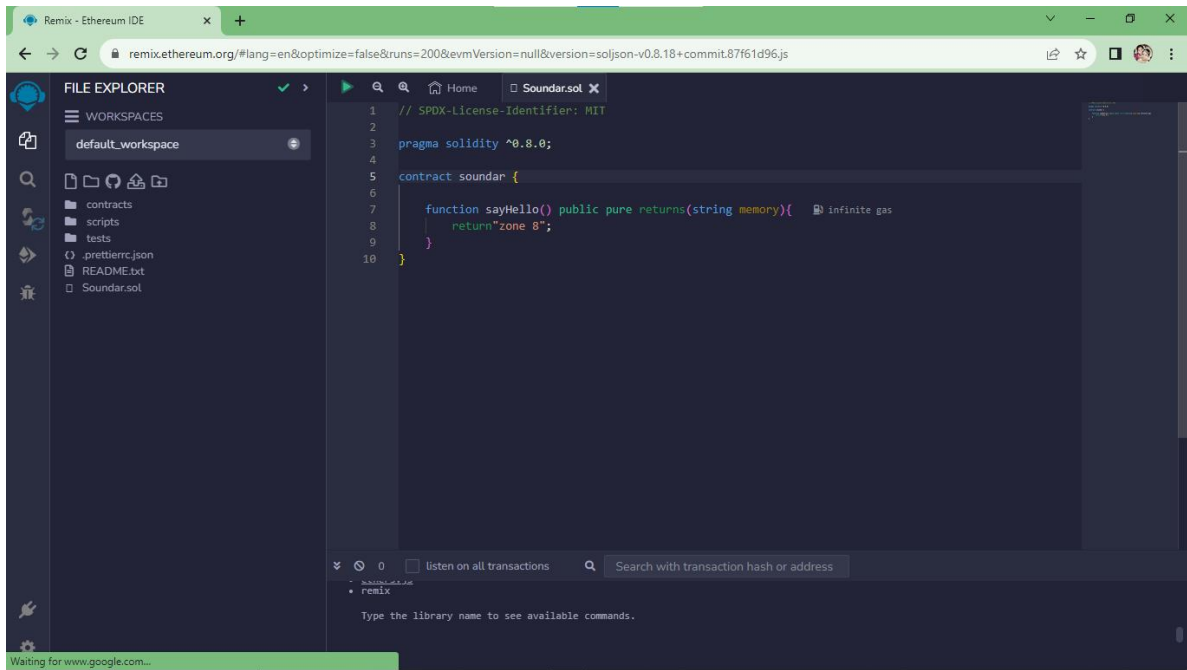
ASSIGNMENT-1

NAME	Soundarrajan.V
ZONE	8
COLLEGE	GANESH COLLEGE OF ENGINEERING
TEAM ID	NM2023TMID00972

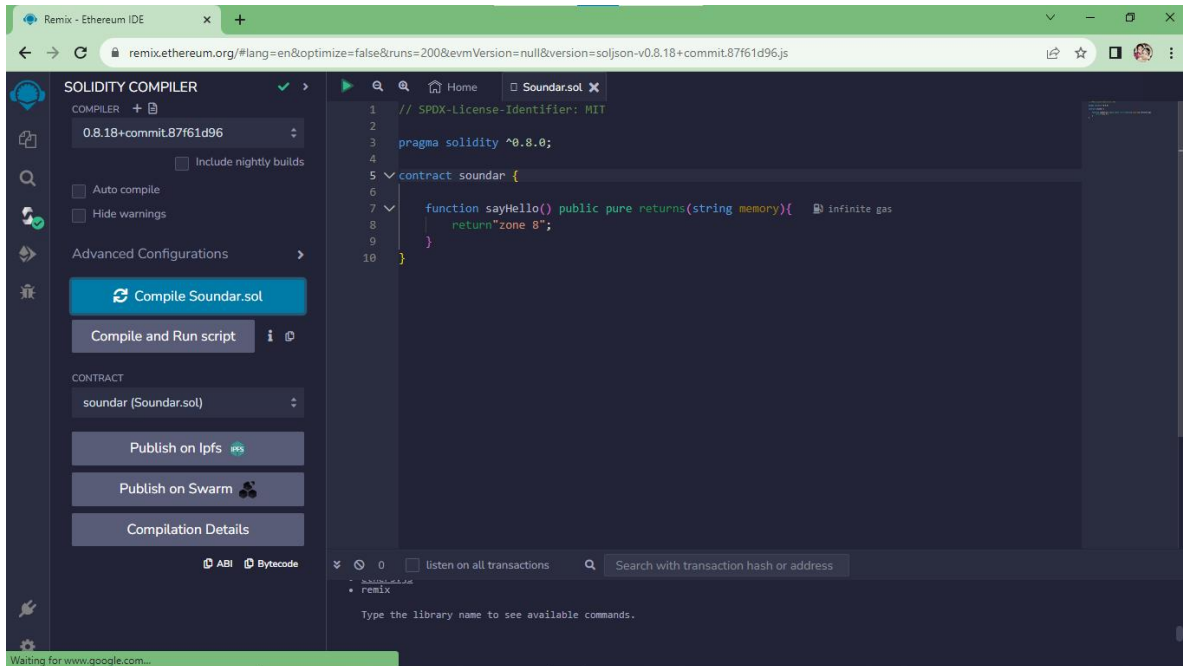
1.Go to the chrome and open remix platform



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 soundar {
    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`.

DEPLOY & RUN TRANSACTIONS

VALUE: 0 Wei

CONTRACT: soundar - Soundar.sol

Deploy (button)

☐ Publish to IPFS

Transactions recorded: 1

Deployed Contracts:

- SOUNDAR AT 0xD91...39138 (ME)
- Balance: 0 ETH
- sayHello** (button)
- 0: string: zone 8

Low level interactions

CALLDATA (input field) **Transact** (button)

Code Editor:

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

Execution Log:

call to soundar.sayHello

CALL [call] from: 0x58380a6a701c568545dcfc803fc8875f56beddc4 to: soundar.sayHello() data: 0xef5...fb05b

from: 0x58380a6a701c568545dcfc803fc8875f56beddc4

to: soundar.sayHello() 0xd9145CCE52D386F254937e481e84a9943F39138

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

input: 0xef5...fb05b

decoded input: {}

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

logs: []

Debug (button)

Waiting for www.google.co...