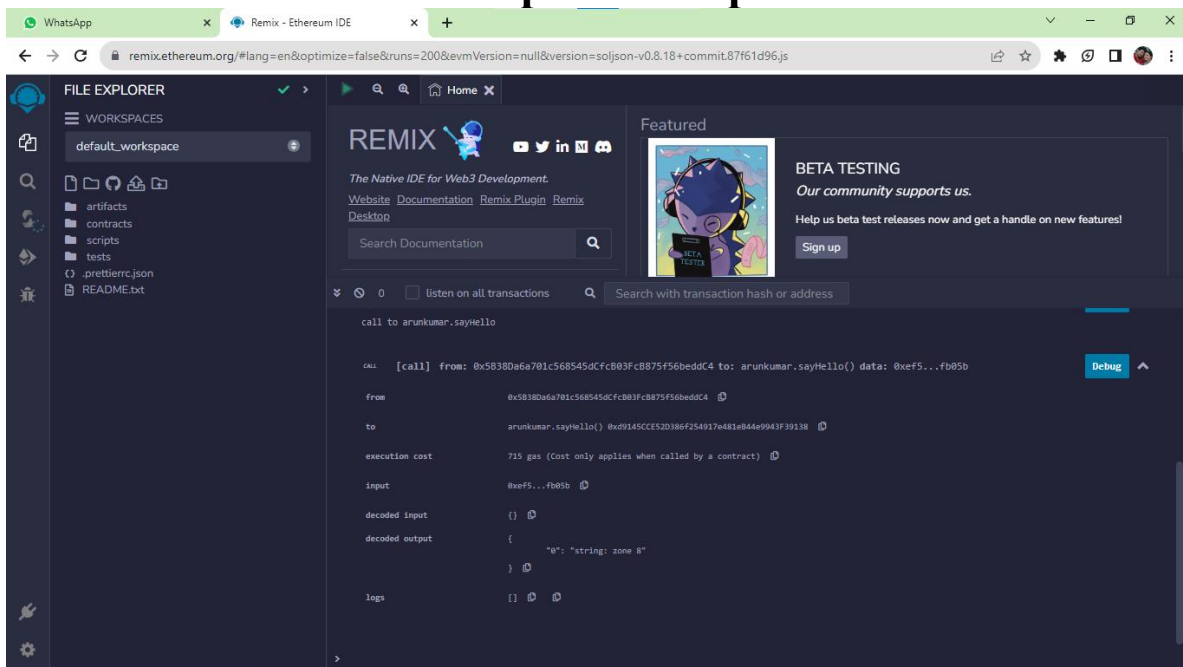


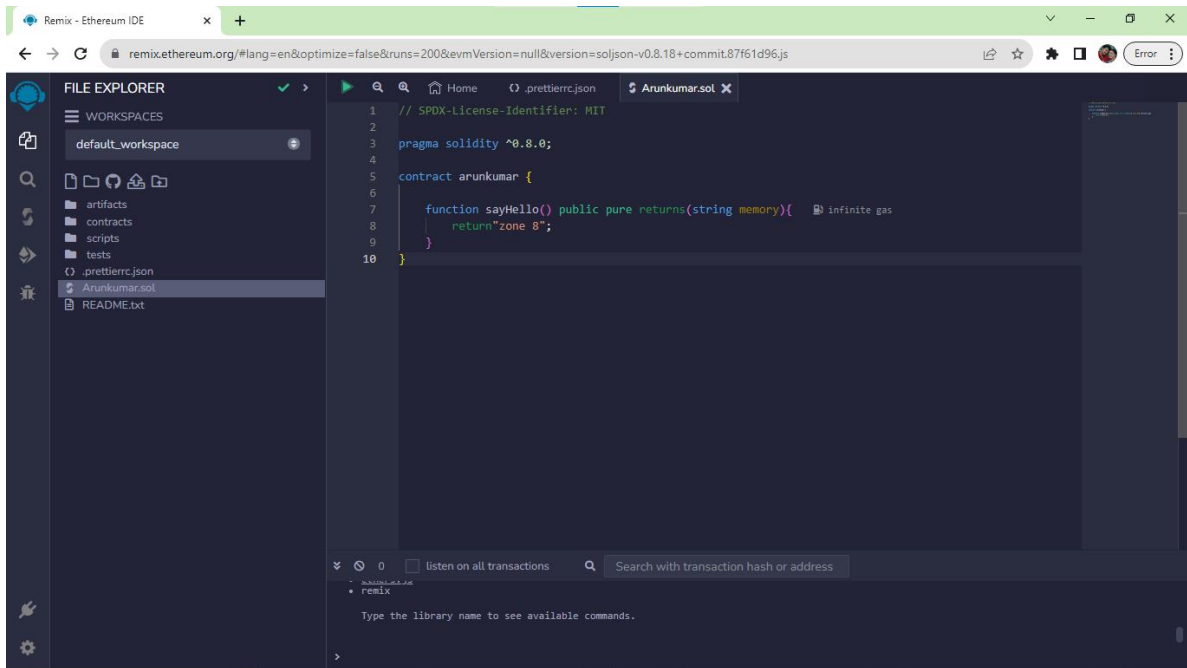
ASSIGNMENT-1

NAME	Arunkumar.S
ZONE	8
COLLEGE	GANESH COLLEGE OF ENGINEERING
TEAM ID	NM2023TMID00972

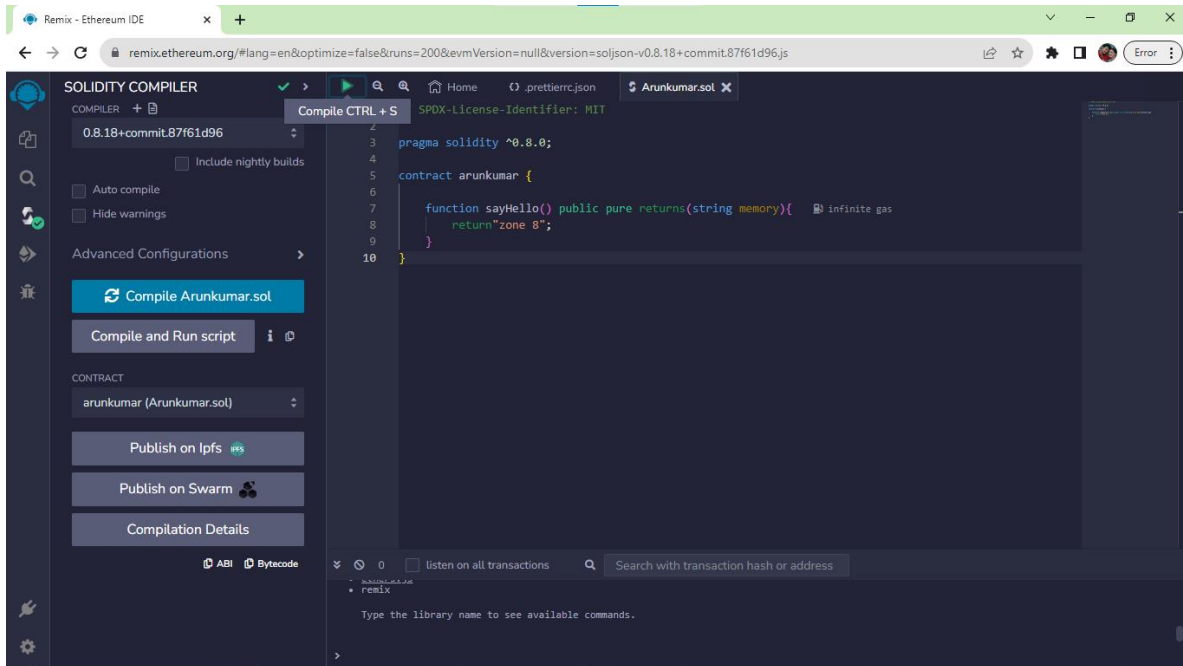
1.Go to the chrome and open remix platform



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 arunkumar {
    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

- VALUE:** 0 Wei
- CONTRACT:** arunkumar - Arunkumar.sol
- Buttons:** Deploy, Publish to IPFS, At Address, Load contract from Address
- Transactions recorded:** 1
- Deployed Contracts:** ARUNKUMAR AT 0XD91...39138
 - Balance: 0 ETH
 - sayHello** button
 - Output: 0: string: zone 8
- Low level interactions:** CALLDATA, Transact button

Right Panel: Arunkumar.sol

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

Bottom Panel: Transaction Details

- call to arunkumar.sayHello**
- CALL [call] from:** 0x58380a6a701c568545dcfc803fc8875f56beddC4 to: arunkumar.sayHello() data: 0xef5...fb05b
- from:** 0x58380a6a701c568545dcfc803fc8875f56beddC4
- to:** arunkumar.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:** []

Debug button is visible on the right.