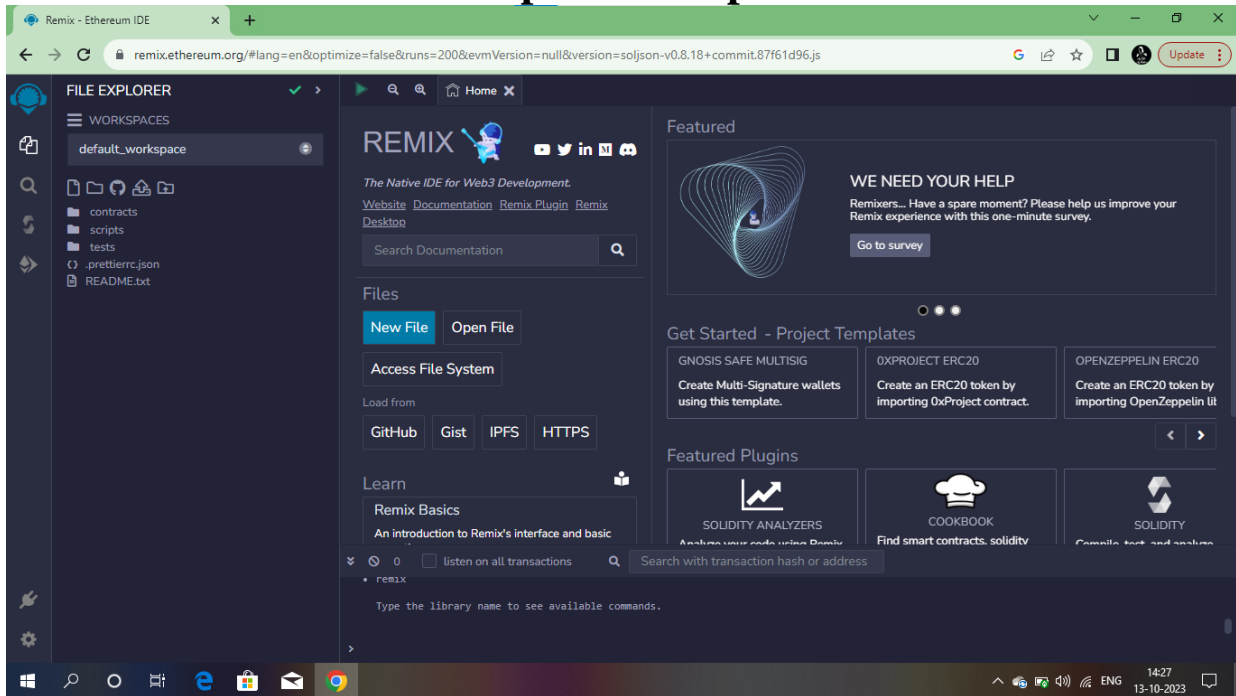


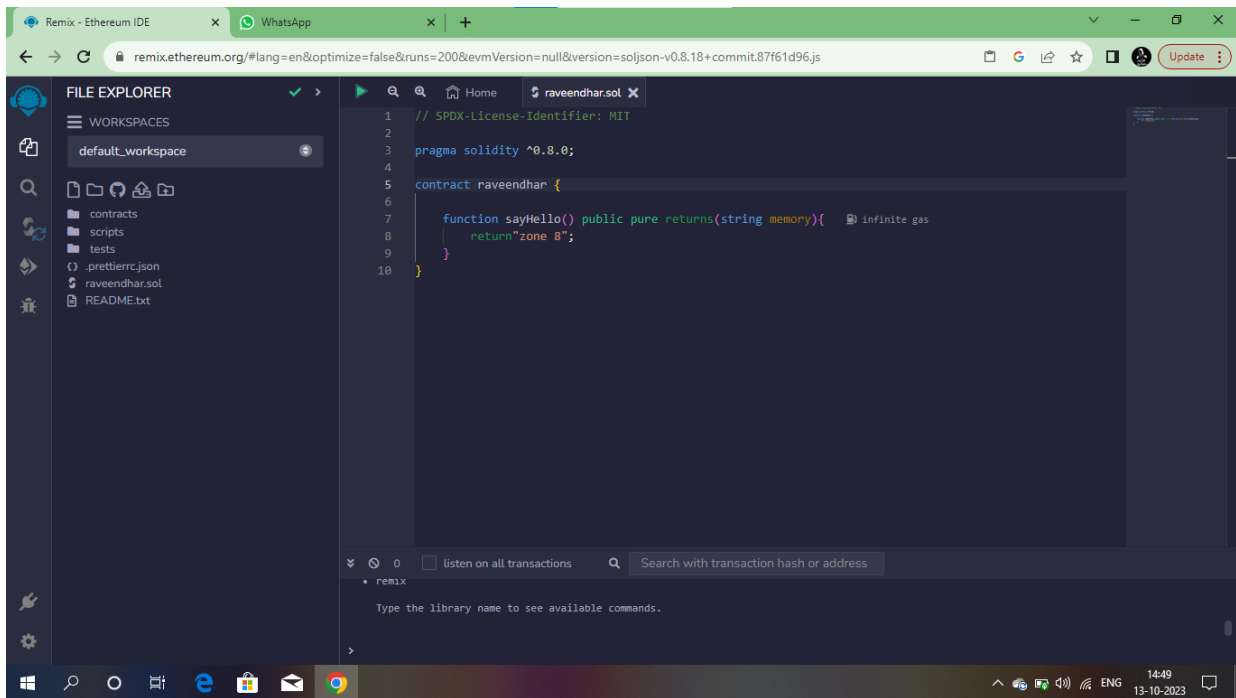
ASSIGNMENT-1

| | |
|---------|-------------------------------|
| NAME | RAVEENDHAR.M |
| ZONE | 8 |
| COLLEGE | GANESH COLLEGE OF ENGINEERING |

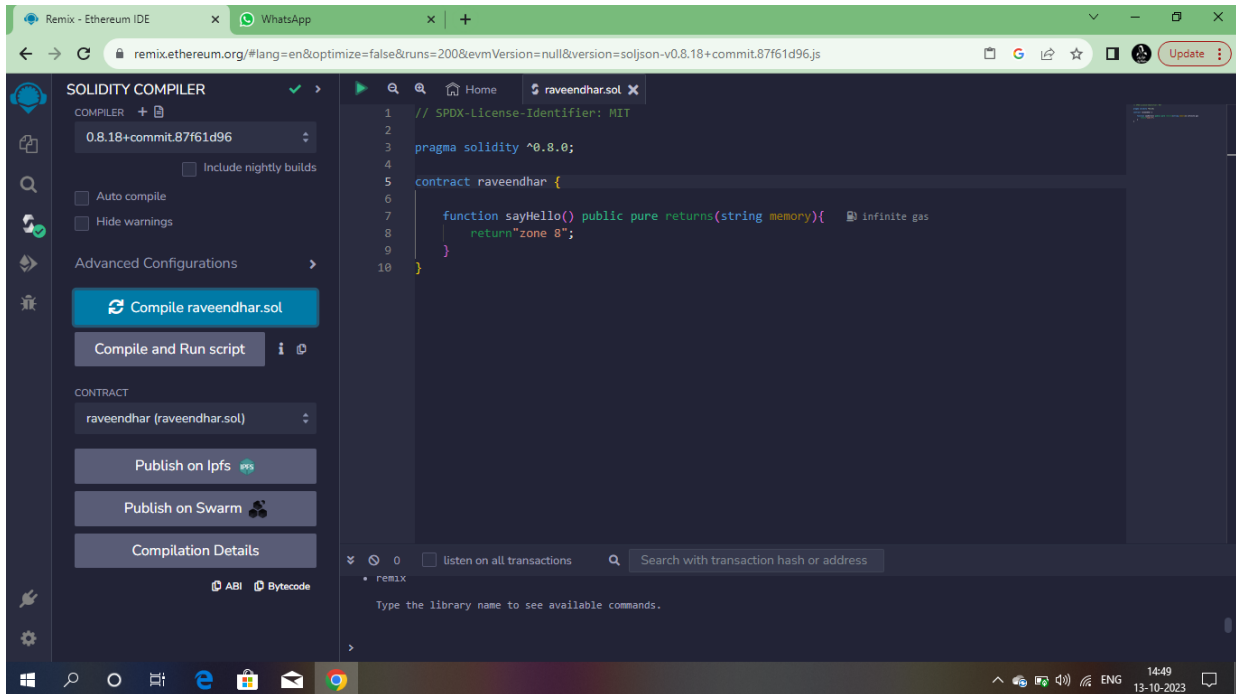
1. Go to the chrome and open remix platform



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

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

ABI:

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

BYTECODE:

```
608060405234801561001057600080fd5b50610173806100206000
396000f3fe608060405234801561001057600080fd5b50600436106
1002b5760003560e01c8063ef5fb05b14610030575b600080fd5b61
003861004e565b604051610045919061011b565b60405180910390f
35b60606040518060400160405280600681526020017f7a6f6e6520
3800000000000000000000000000000000000000000000000000
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 URL: `remix.ethereum.org/#lang=en&optimize=false&runs=200&evmVersion=null&version=soljson-v0.8.18+commit.87f61d96.js`. The left sidebar contains the 'DEPLOY & RUN TRANSACTIONS' panel, which includes a 'CONTRACT' dropdown set to 'raveendhar - raveendhar.sol', a 'Deploy' button, and a 'Transactions recorded' section showing a single transaction. The main editor displays the Solidity code for the 'raveendhar' contract:

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

The bottom panel shows the 'Debug' window, which displays the execution details of the transaction. The transaction is a call from address `0x58380a6a701c568545dcfc803fc8875f56beddc4` to the contract's `sayHello()` function. The execution cost is 715 gas. The decoded output is a JSON object: `{ "0": "string: zone 8" }`.