ASSIGNMENT 1

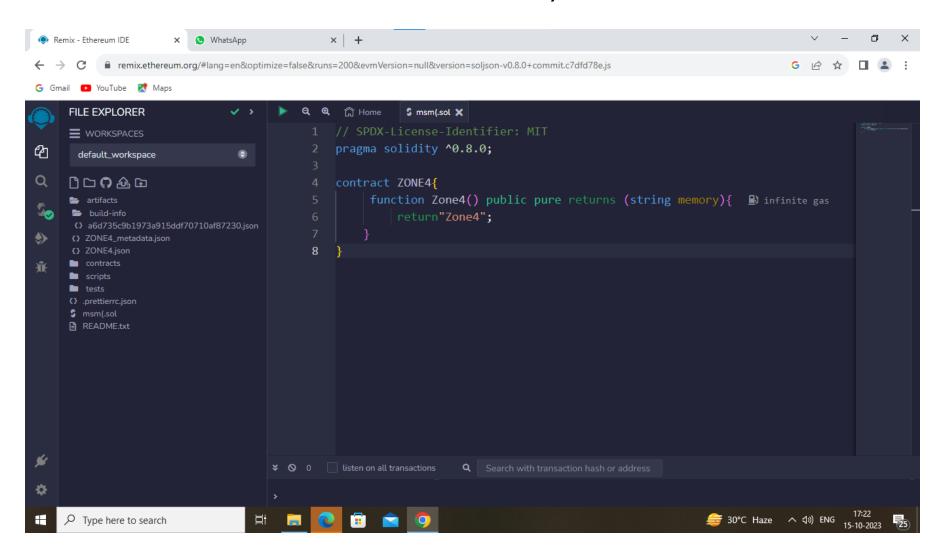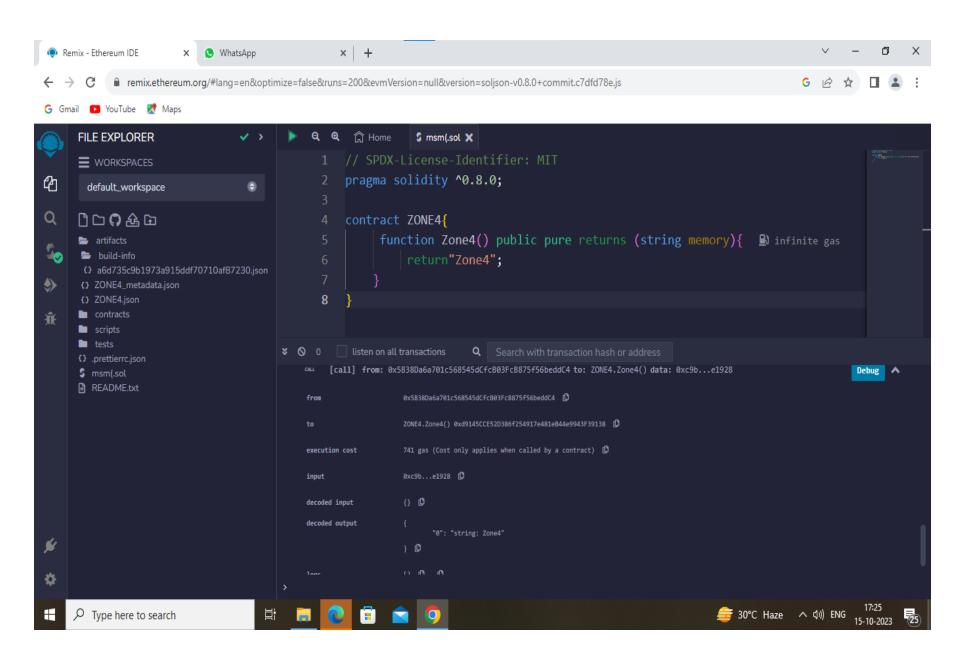| NAME	R . ETTIYAMMAL
ZONE	4
COLLEGE	GKM COLLEGE OF ENGINEERING AND TECHNOLOGY

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 PROGARM TO RETURN YOUR STRING, "ZONE NAME"

FILE EXPLORER ✓ ›

WORKSPACES

default_workspace

artifacts
build-info
{} a6d735c9b1973a915ddf70710af87230.json
{} ZONE4_metadata.json
{} ZONE4.json
contracts
scripts
tests
{} .prettierrc.json
msm(.sol
README.txt

▶ ⊖ ⊕ 🏠 Home   § msm(.sol ✕

```solidity
1  // SPDX-License-Identifier: MIT
2  pragma solidity ^0.8.0;
3
4  contract ZONE4{
5      function Zone4() public pure returns (string memory){    ⛽ infinite gas
6          return"Zone4";
7      }
8  }
```

⌄ ⊘ 0 ☐ listen on all transactions 🔍 Search with transaction hash or address

CALL [call] from: 0x5B38Da6a701c568545dCfcB03FcB875f56beddC4 to: ZONE4.Zone4() data: 0xc9b...e1928   Debug ⌃

from   0x5B38Da6a701c568545dCfcB03FcB875f56beddC4 �📋

to   ZONE4.Zone4() 0xd9145CCE52D386f254917e481eB44e9943F39138 �📋

execution cost   741 gas (Cost only applies when called by a contract) �📋

input   0xc9b...e1928 �📋

decoded input   {} �📋

decoded output   {
                            "0": "string: Zone4"
                        } �📋

4. SAVE THE PROGRAM AND COMPILE IT TO GET THE ABI AND BYTECODE

ABI

```
[
  {
    "inputs": [],
    "name": "Zone4",
    "outputs": [
      {
        "internalType": "string",
        "name": "",
        "type": "string"
      }
    ],
    "stateMutability": "pure",
    "type": "function"
  }
]
```

BYTECODE

608060405234801561001057600080fd5b50610
17c80610020600039600f3fe60806040523480
156100105760008fd5b506004361061002b5760
003560e01c8063c9be192814610030575b60008
0fd5b61003861004e565b6040516100459190610
00c4565b604051809103906f35b606060405806
04001604052806005815260200017f5a6f6e6534
00000000000000000000000000000000000000
0000000000000000081525090509056b600061
0096826100e6565b6100a081856100f1565b935
06100b081856020860016101025665b6100b9816

5. FINALLY DEPLOY IT TO DISPLAY THE OUTPUT

```
                    }
```

⌄ ⃠ 0 ☐ listen on all transactions   🔍 Search with transaction hash or address

CALL   [call] from: 0x5B38Da6a701c568545dCfcB03FcB875f56beddC4 to: ZONE4.Zone4() data: 0xc9b...e1928

from   0x5B38Da6a701c568545dCfcB03FcB875f56beddC4 📋

to   ZONE4.Zone4() 0xd9145CCE52D386f254917e481eB44e9943F39138 📋

execution cost   741 gas (Cost only applies when called by a contract) 📋

input   0xc9b...e1928 📋

decoded input   {} 📋

decoded output   {
                                      "0": "string: Zone4"
                              } 📋