ASSIGNMENT 1

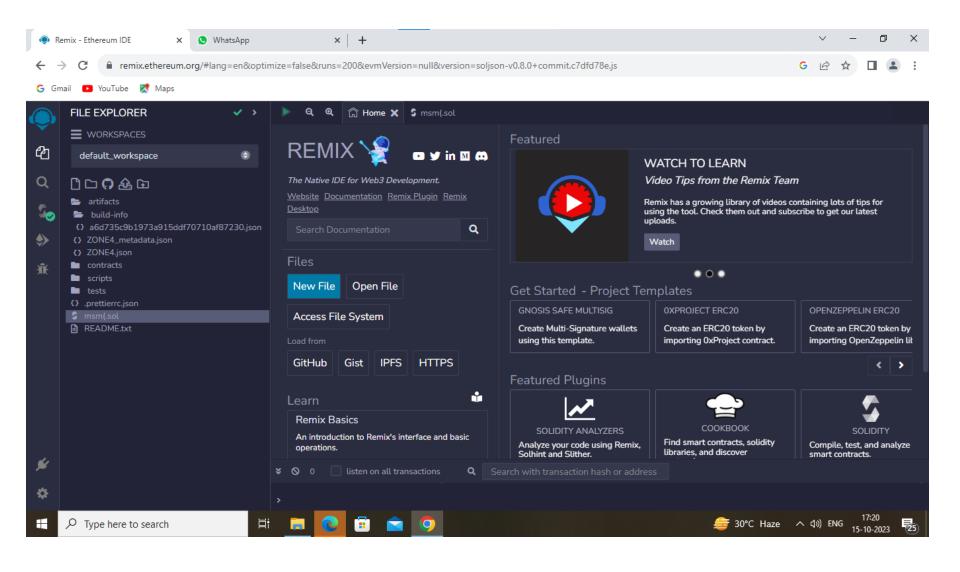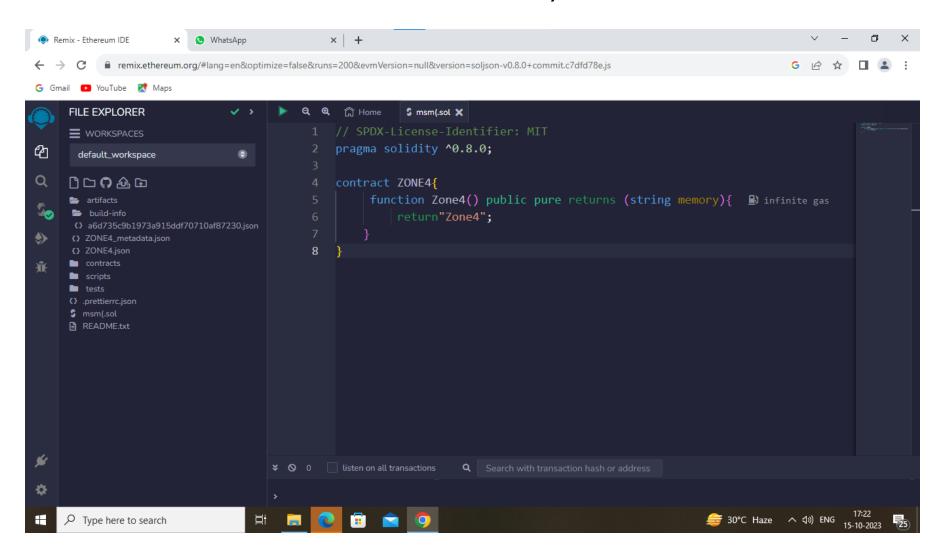| NAME	A.Lavanya
ZONE	4
COLLEGE	GKM COLLEGE OF ENGINEERING AND TECHNOLOGY

1. GO TO THE CHROME AND OPEN REMIX PLATFORM

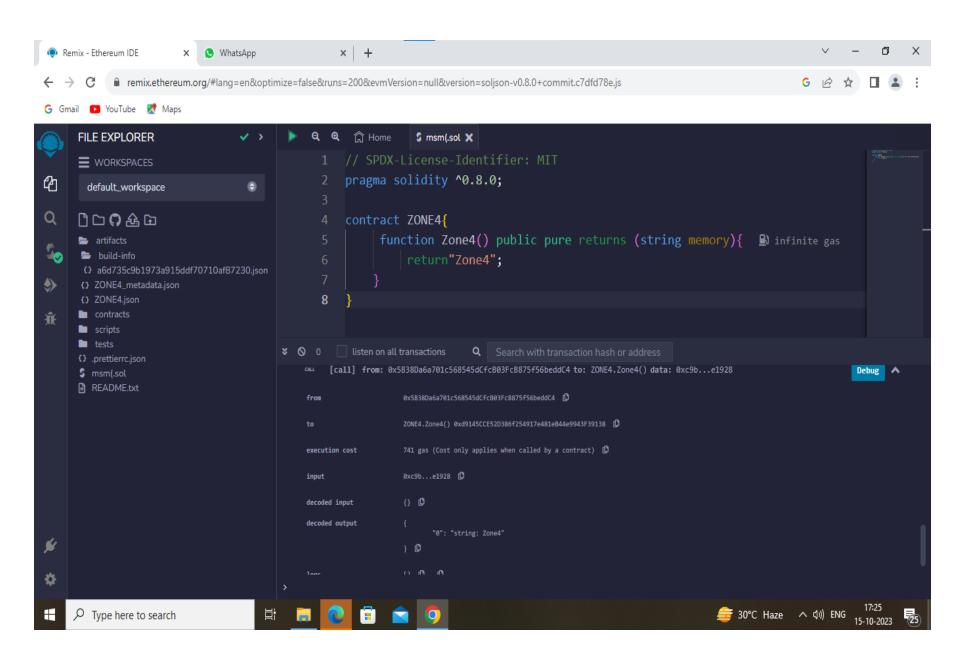# 2. OPEN THE REMIX PAGE AND CREATE A NEW FILE

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

6080604052348015610010576000080fd5b5061017c806100206000396
000f3fe608060405234801561001057600080fd5b50600436106102b5
760003560e01c8063c9be192814610030575b600080fd5b6100386100
4e565b60405161004591906100c4565b604051809103906060604
05180604001604052806005815260200017f5a6f6e653400000000000000
000000000000000000000000000000000000000081525090509056
5b60006100968261010e6565b6100a081856100f1565b93506100b0818
56020860161010256565b6100b981610135565b840191505092915050505
65b6000602082019050818103600083015261010de818461008b565b9
050929150505665b60008151905091905056b600082825260082019
050929150505665b60005b8381101561012057808201518184015260208
101019050610105565b8381111561012f576000848401525b50505050
565b6000601f19601f8301169050091905056fea26469706673582212209
9f1f861fcf66d913a9cdbb6ea4738784cf8723ef59258eb10998f376ae76
458d64736f6c63430008000033

5. FINALLY DEPLOY IT TO DISPLAY THE OUTPUT

```
        8       }
```

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"
                            }
```