ASSIGNMENT 1

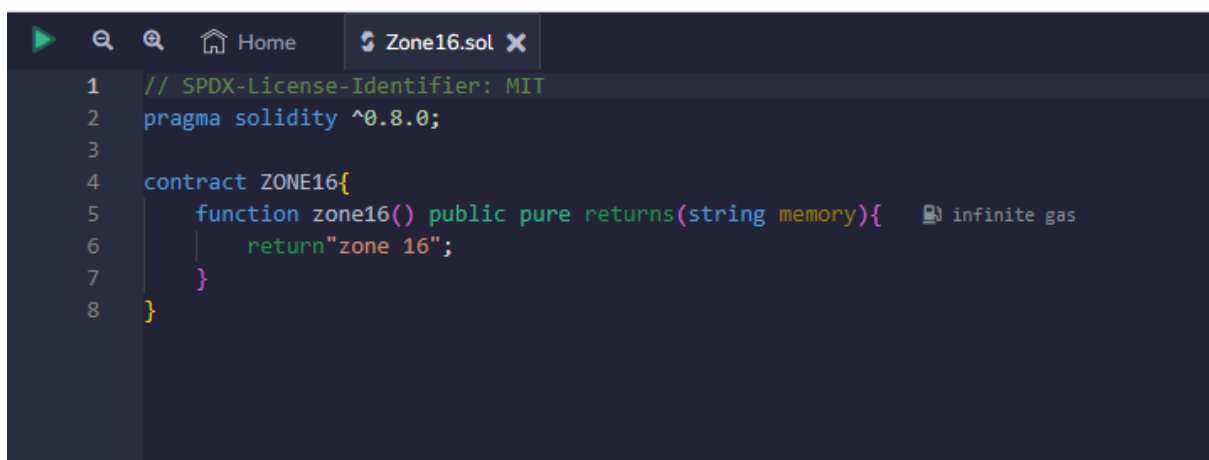| Name	Lakshmanababu R
Reg no	952420106003
Zone	16
College	PSN Institute of Technology and Science

1. GO TO THE CHROME ATFORM OPEN REMIX PLATFORM
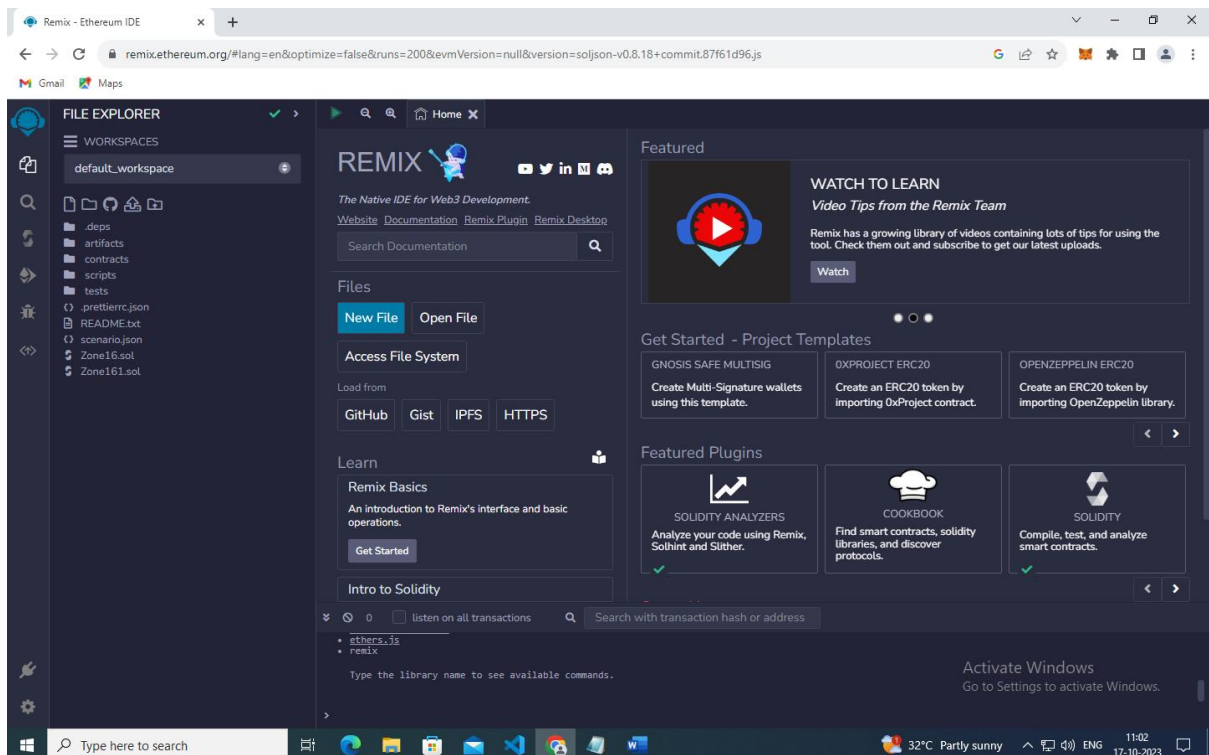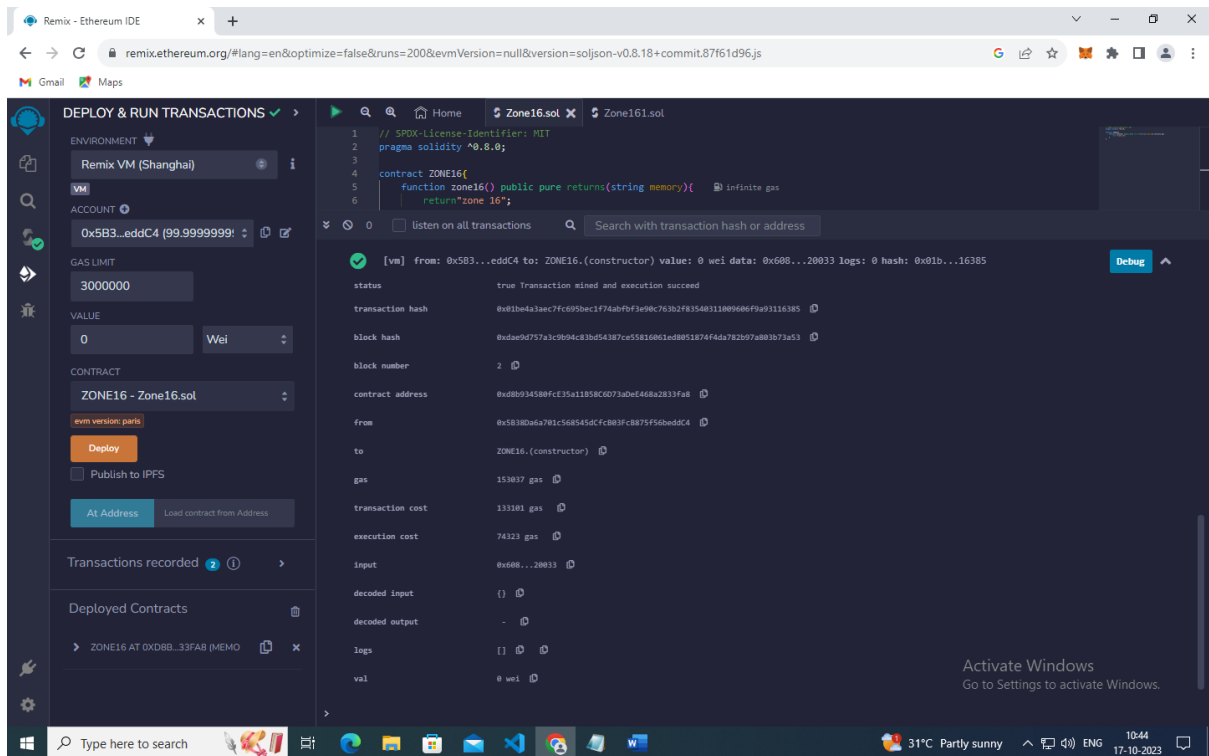
2. OPEN THE REMIX PAGE AND CREATE A NEW FILE
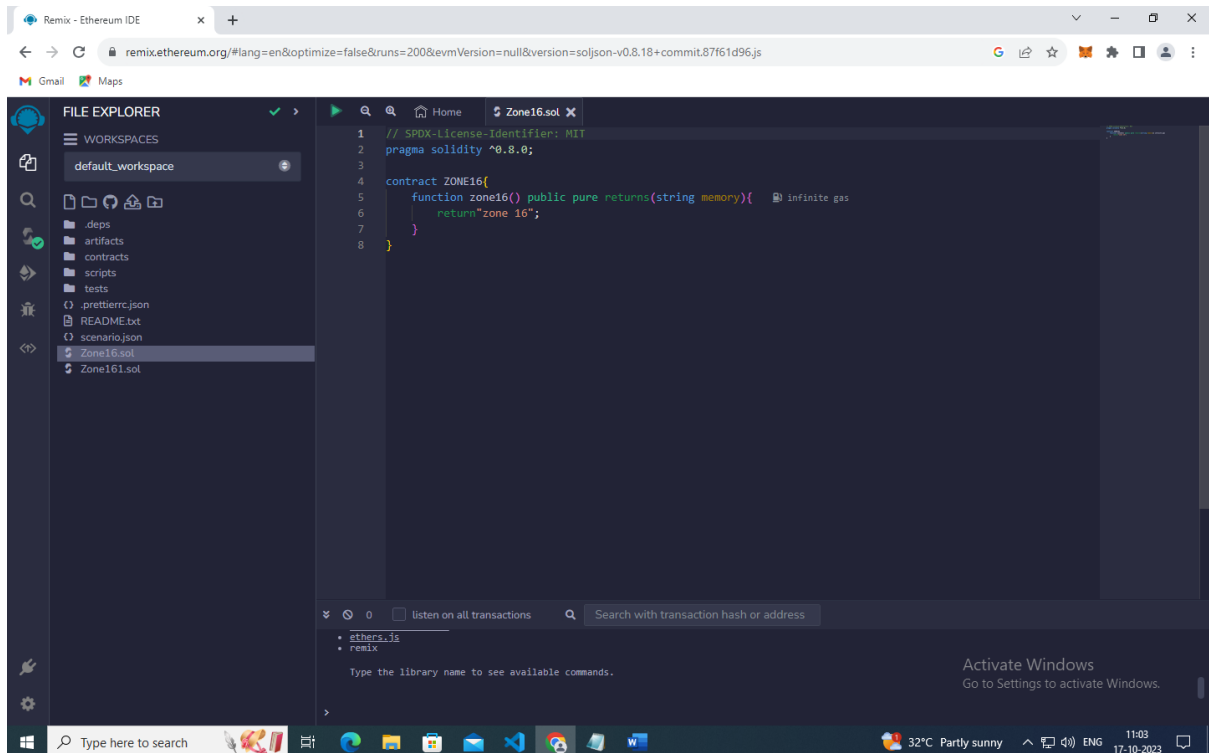
3. IN THE NEWLY CREATED FILE, CREATE A PROGRAM TO RETURN YOUR STRING,"ZONE NAME"


```solidity
1  // SPDX-License-Identifier: MIT
2  pragma solidity ^0.8.0;
3
4  contract ZONE16{
5      function zone16() public pure returns(string memory){    infinite gas
6          return"zone 16";
7      }
8  }
```

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

ABI code:

```
[
        {
                "inputs": [],
                "name": "zone16",
                "outputs": [
                        {
                                "internalType": "string",
                                "name": "",
                                "type": "string"
                        }
                ],
                "stateMutability": "pure",
                "type": "function"
        }
]
```

BYTE code:

- 608060405234801561001057600080fd5b5061017380610020600039 6000f3fe60806040523
  4801561001057600080fd5b506004361061002b5760003560e01c8063a7291c8e1461003057
  5b600080fd5b61003861004e565b604051610045919061011b565b60405180910390f35b606
  0604051806040016040528060078152602001 7f7a6f6e65203136000000000000000000000000
  0000000000000000000000000000815250905090565b60008151905091905050565b60008282
  52602082019050929150505565b60005b838110156100c5578082015181840152602081019050
  6100aa565b6000848401525050505065b6000601f19601f8301169050919050565b60006
  100ed8261008b565b6100f78185610096565b93506101078185602086016100a7565b61011
  0816100d1565b840191505092915050565b6000602082019050818103600083015261013581
  1846100e2565b90509291505056fea264697066735822122051 26ddc2c11afd21840725533e
  dd3bd8f970fc64894e6a349f212a97487080d364736f6c63430008120033

5. FINALLY DEPLOY IT TO DISPLAY THE OUTPUT
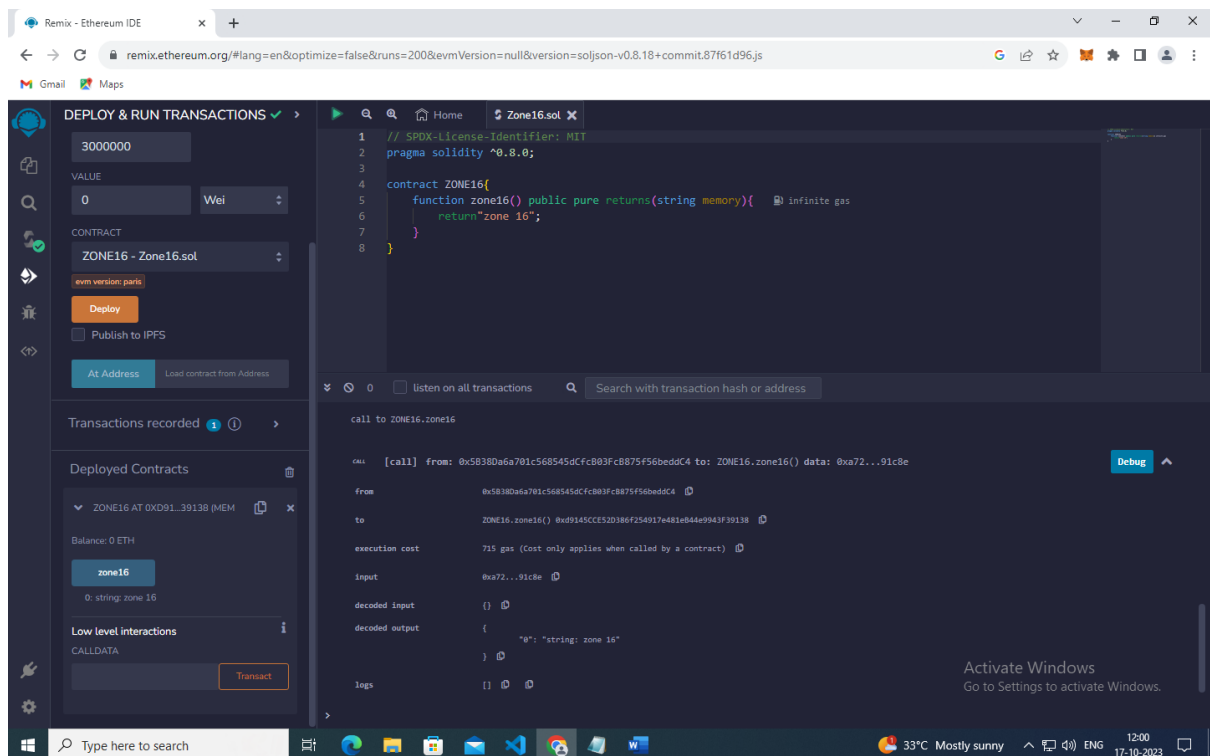
call to ZONE16.zone16

CALL   [call] from: 0x5B38Da6a701c568545dCfcB03FcB875f56beddC4 to: ZONE16.zone16() data: 0xa72...91c8e

from   0x5B38Da6a701c568545dCfcB03FcB875f56beddC4 [copy]

to   ZONE16.zone16() 0xd9145CCE52D386f254917e481eB44e9943F39138 [copy]

execution cost   715 gas (Cost only applies when called by a contract) [copy]

input   0xa72...91c8e [copy]

decoded input   {} [copy]

decoded output   {
                             "0": "string: zone 16"
                        } [copy]

logs   [] [copy] [copy]

>