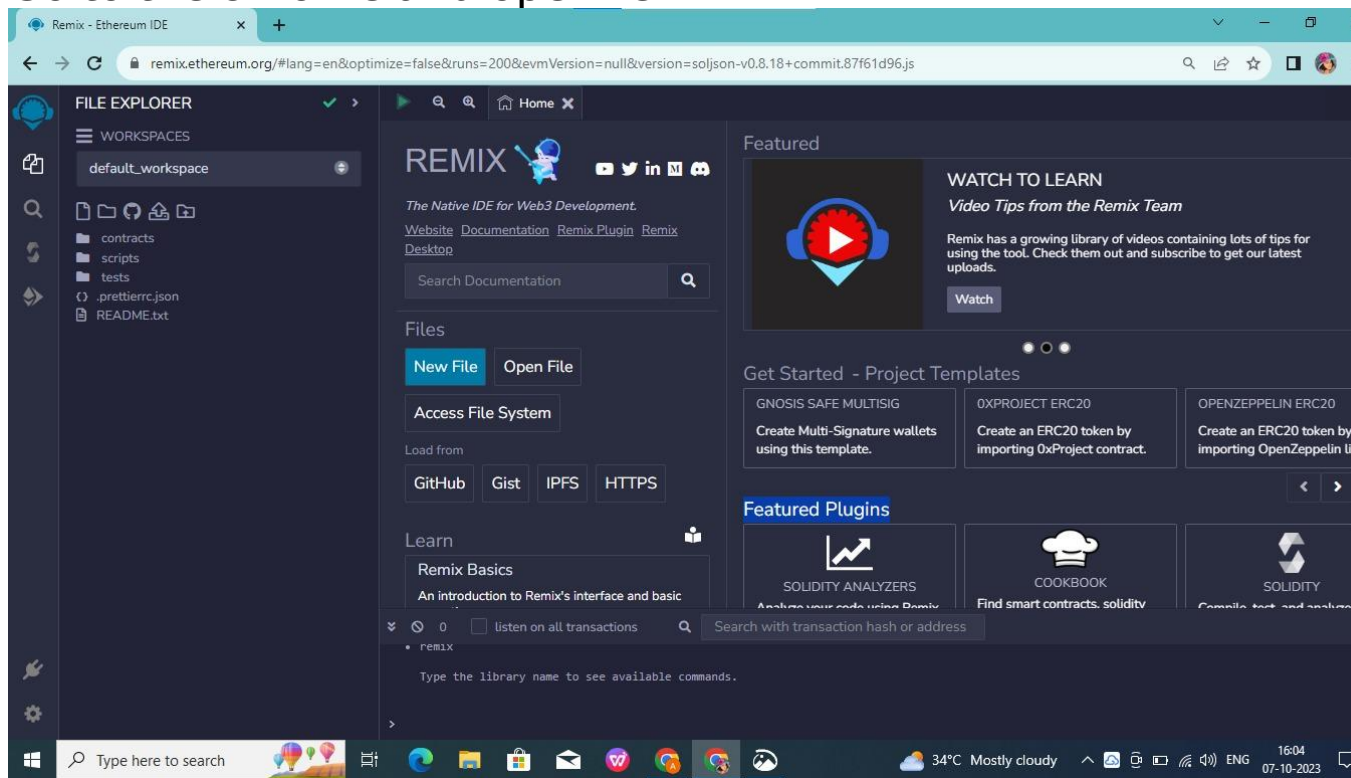


ASSIGNMENT -1

NAME	T.RANJANI
ZONE	8
COLLEGE	GANESH COLLEGE OF ENGINEERING
TEAM ID	NM2023TMID00968

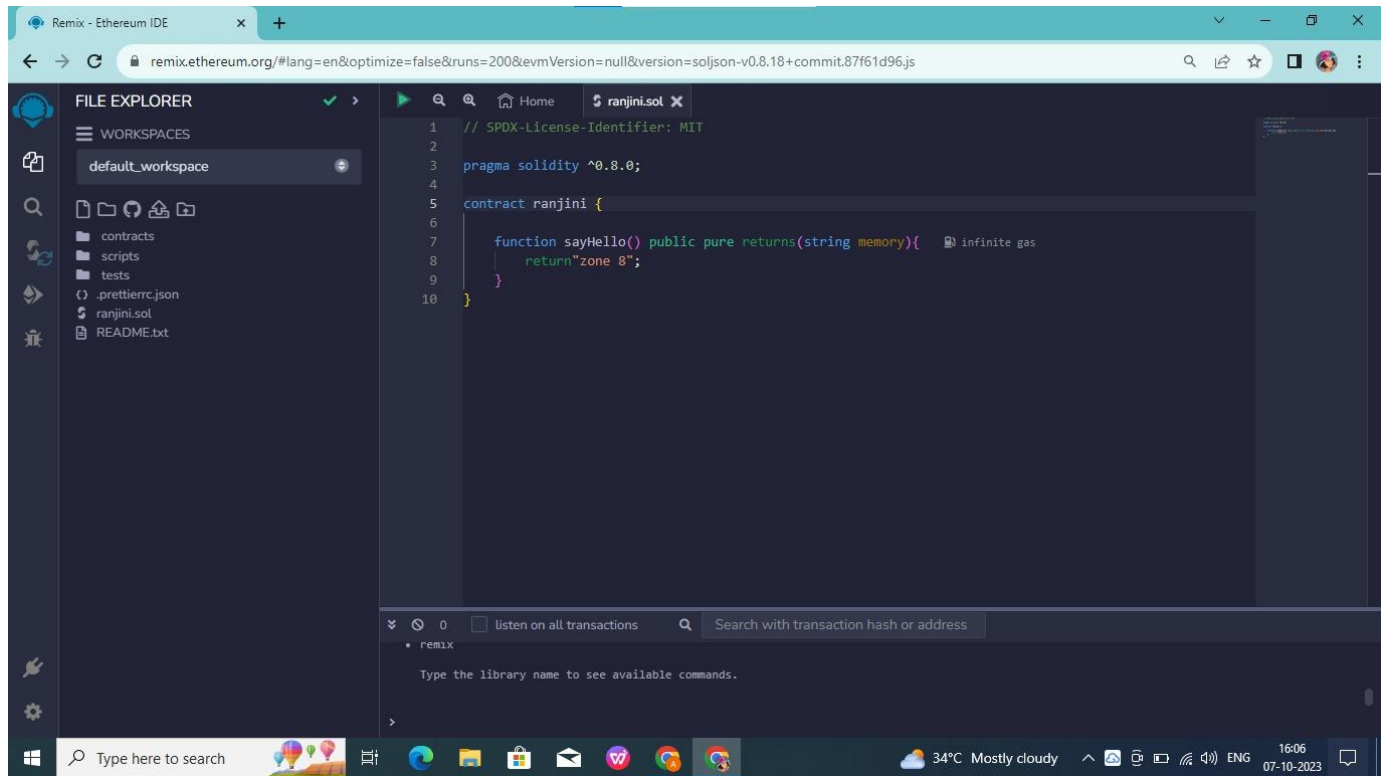
1. Go to the chrome and open remix



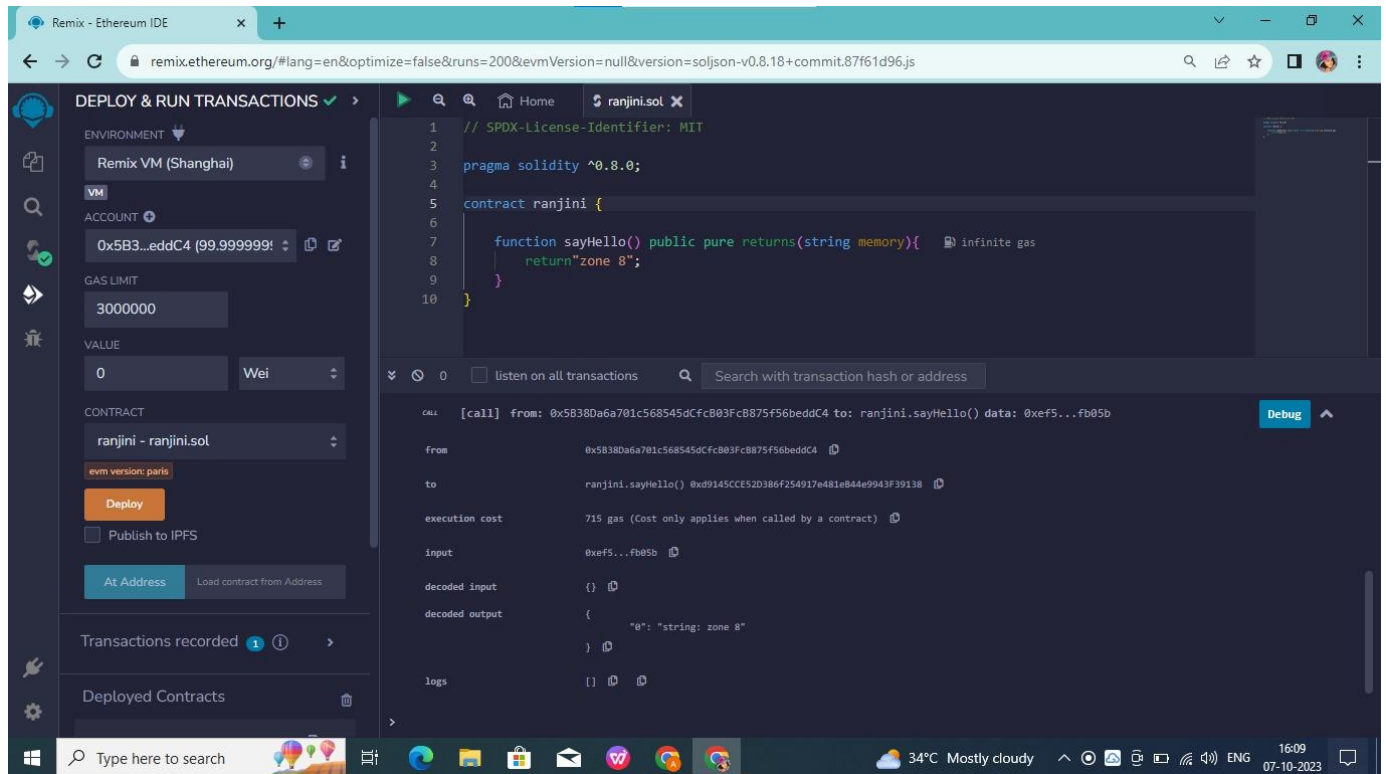
platform

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 ^0.8.13;
contract mycontract
{
    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": "getZoneName",
    "outputs": [
      {
        "internalType": "string",
        "name": "",
        "type": "string"
      }
    ],
    "stateMutability": "pure",
    "type": "function"
  }
]
```

BYTECODE:

```
608060405234801561001057600080fd5b50610173806100206000396000f3fe6080604052348015
61001057600080fd5b506004361061002b5760003560e01c8063235ed70f14610030575b600080fd5
b61003861004e565b604051610045919061011b565b60405180910390f35b606060405180604001
60405280600981526020017f5a6f6e65206e616d650000000000000000000000000000000000
00000000815250905090565b600081519050919050565b600082825260208201905092915050565
b60005b838110156100c55780820151818401526020810190506100aa565b600084840152505050
50565b6000601f19601f8301169050919050565b60006100ed8261008b565b6100f7818561009656
5b93506101078185602086016100a7565b610110816100d1565b840191505092915050565b60006
02082019050818103600083015261013581846100e2565b90509291505056fea264697066735822
1220de928d37c2ccf4326108d8d4ce3e44d787cfd0b8ee72b632f0e5d1f9bb28622a64736f6c6343000
8120033
```

5. Finally Deploy it to display the output

Remix - Ethereum IDE

remix.ethereum.org/#lang=en&optimize=false&runs=200&evmVersion=null&version=soljson-v0.8.18+commit.87f61d96.js

DEPLOY & RUN TRANSACTIONS

ENVIRONMENT

Remix VM (Shanghai)

ACCOUNT

0x5B3...eddC4 (99.999999%)

GAS LIMIT

3000000

VALUE

0 Wei

CONTRACT

ranjini - ranjini.sol

evm version: paris

Deploy

☐ Publish to IPFS

At Address Load contract from Address

Transactions recorded

1

Deployed Contracts

ranjini.sol

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

0 Listen on all transactions Search with transaction hash or address

CALL [call] from: 0x5B38Da6a701c568545dCfcB03FcB875f56beddC4 to: ranjini.sayHello() data: 0xef5...fb05b

from 0x5B38Da6a701c568545dCfcB03FcB875f56beddC4

to ranjini.sayHello() 0xd9145CCE52D386f254917e481eB44e9943f39138

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

Type here to search

34°C Mostly cloudy 16:09 07-10-2023