

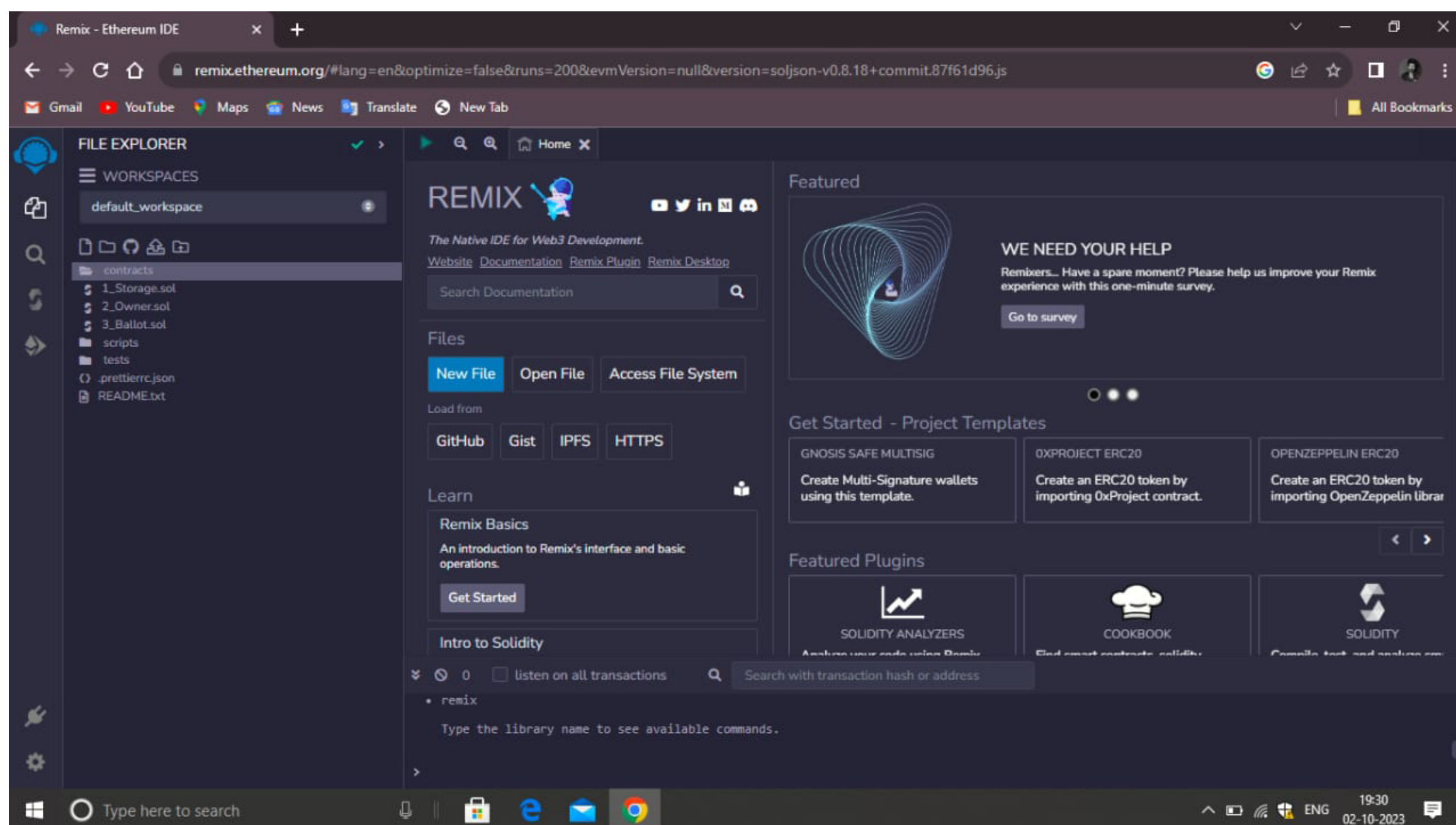
# Assignment On Blockchain

Name : Lavaniya.M

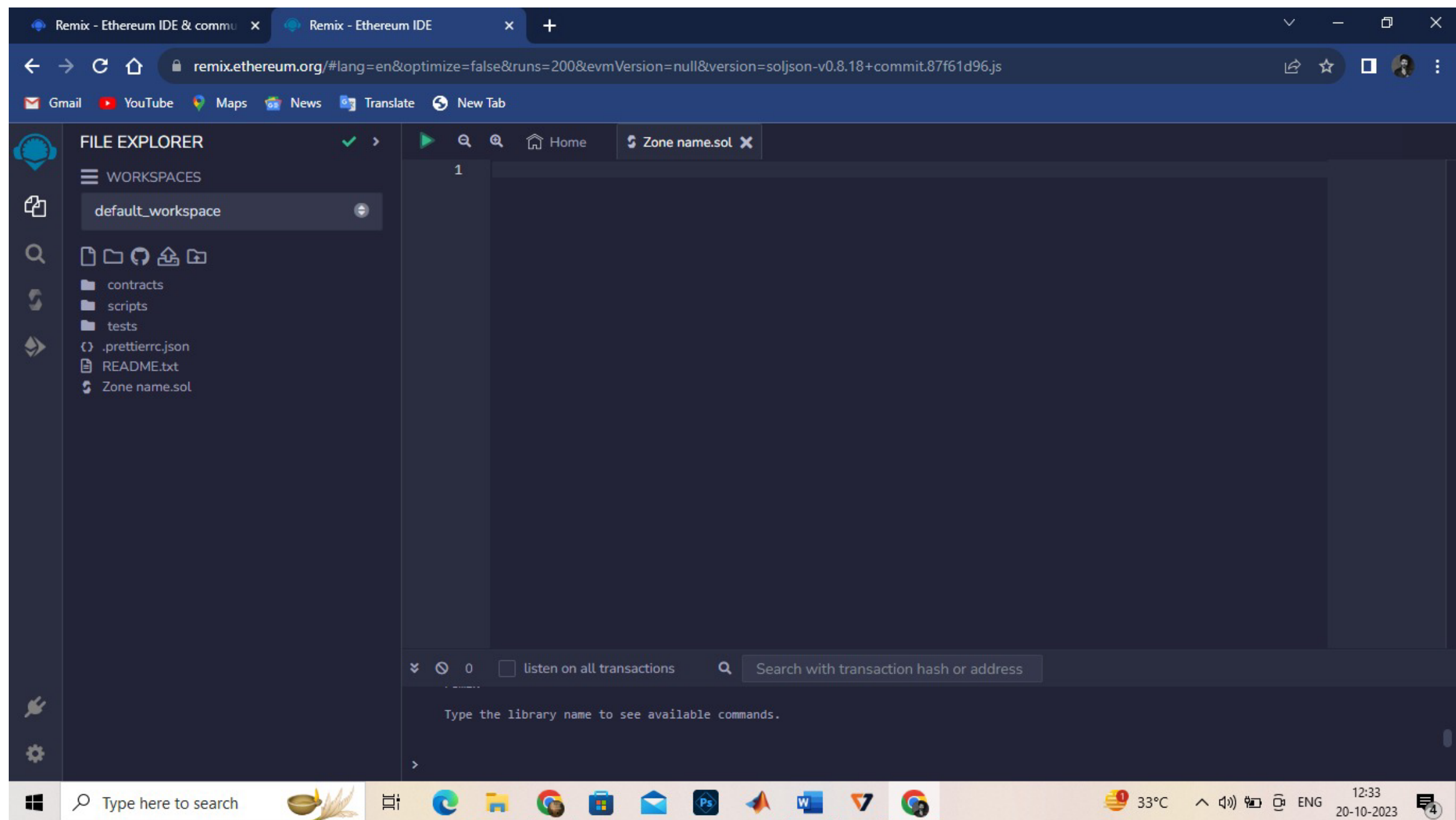
Reg no : 951320106019

Team Id : NM2023TMID03075

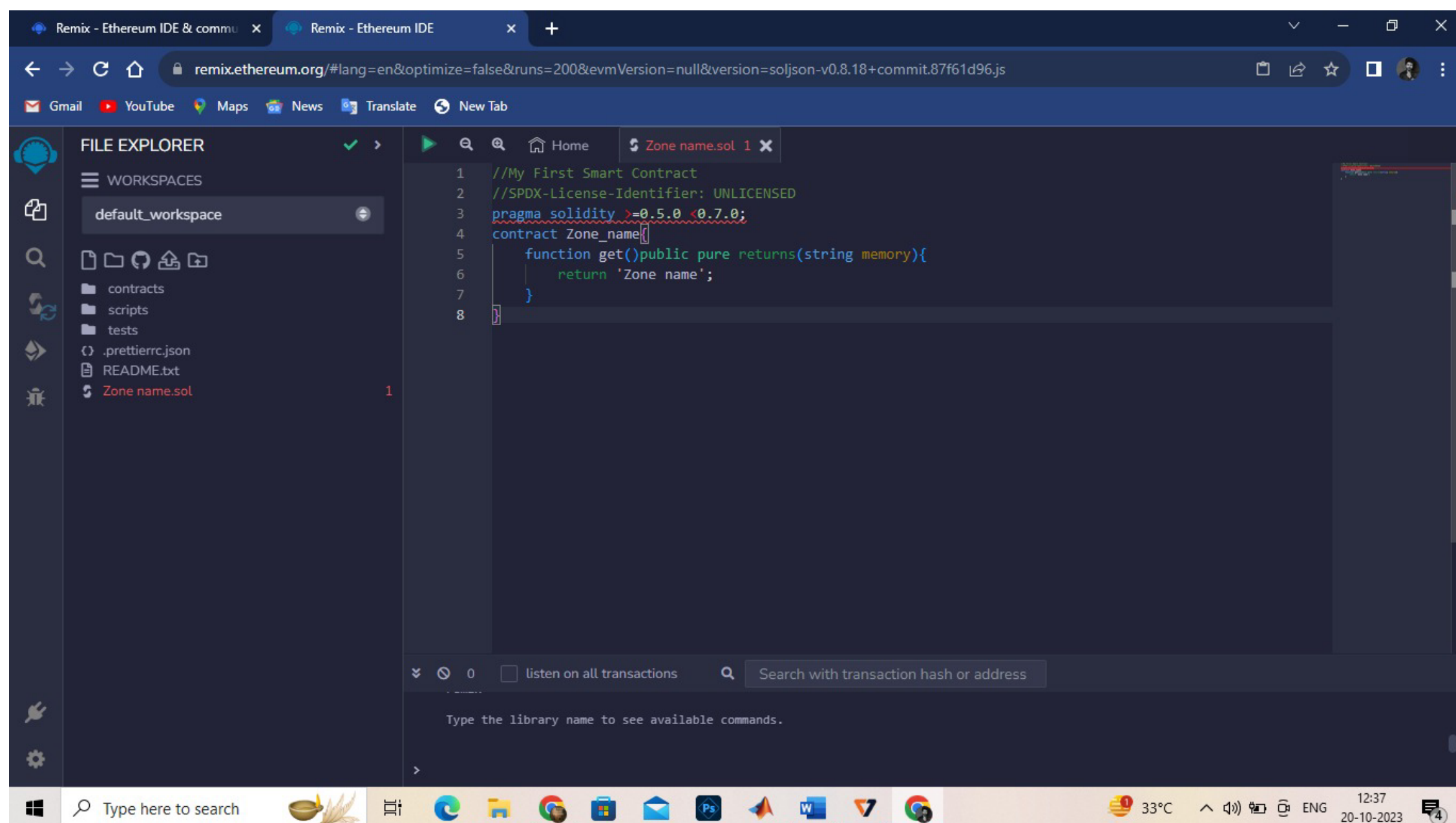
1.Go to the chrome and open remix platform



2.Open the remix page and create a new file



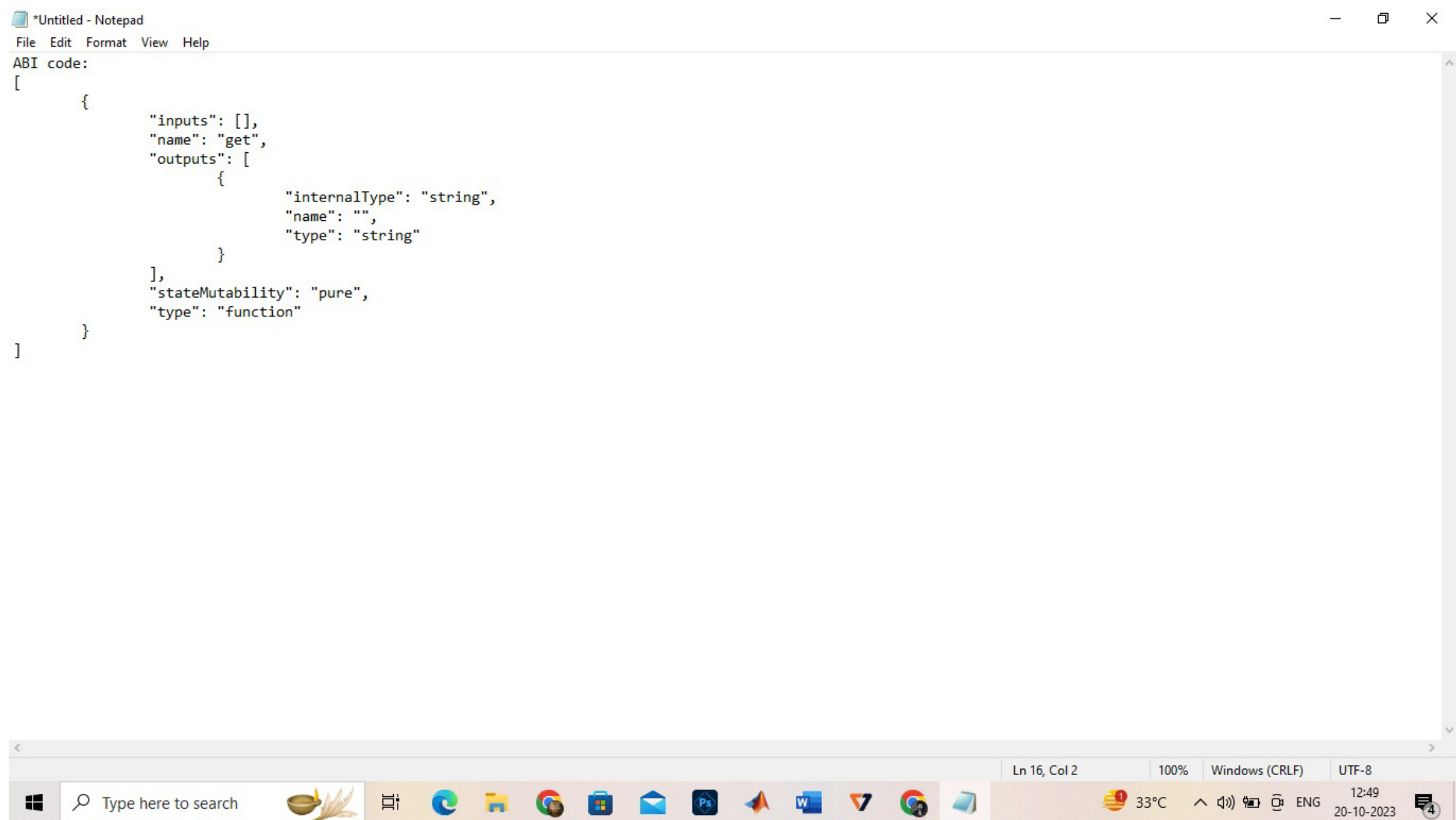
3. In that newly created file, create a program to return your string, “Zone name”.



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



The image shows a screenshot of the Remix Ethereum IDE interface. The top bar displays the URL 'remix.ethereum.org/#lang=en&optimize=false&runs=200&evmVersion=null&version=soljson-v0.6.12+commit.27d51765.js'. The left sidebar contains icons for account, search, and other functions. The main workspace is divided into three panels. The top-left panel, titled 'DEPLOY & RUN TRANSACTIONS', shows the deployment settings: ACCOUNT (0x5B3...eddC4), GAS LIMIT (3000000), VALUE (0 Wei), and CONTRACT (Zone\_name - Zone name.sol). The 'Deploy' button is highlighted. The top-right panel shows the source code of the 'Zone name.sol' contract, which defines a 'Zone\_name' contract with a 'get()' function. The bottom panel shows the transaction details: '[vm] from: 0x5B3...eddC4 to: Zone\_name.(constructor) value: 0 wei data: 0x608...c033 logs: 0 hash: 0x877...15ddf'. Below the transaction details, the 'ABI code' is displayed, showing the function signature 'get()' and its internal type 'string'. The 'BYTE Code' is also shown, starting with '608060405234801561001057600080'. The bottom status bar indicates 'Ln 34, Col 1', '100%', 'Windows (CRLF)', and 'UTF-8'.



The screenshot shows a Windows Notepad window titled '\*Untitled - Notepad'. The menu bar includes 'File', 'Edit', 'Format', 'View', and 'Help'. The text area contains the following ABI code:

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

The status bar at the bottom of the Notepad window displays 'Ln 16, Col 2', '100%', 'Windows (CRLF)', and 'UTF-8'. Below the Notepad window is the Windows taskbar, which includes a search bar, several application icons (Edge, File Explorer, Chrome, VS Code, etc.), and system tray information showing '33°C', '12:49', and '20-10-2023'.

## 5.Finally Deploy it to display the output



Remix - Ethereum IDE & commu xRemix - Ethereum IDE x+

remix.ethereum.org/#lang=en&optimize=false&runs=200&evmVersion=null&version=soljson-v0.6.12+commit.27d51765.js

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SOLIDITY COMPILER

COMPILER +

0.6.12+commit.27d51765

☐ Include nightly builds

☒ Auto compile

☐ Hide warnings

Advanced Configurations

Compile Zone name.sol

Compile and Run script

CONTRACT

Zone\_name (Zone name.sol)

Publish on Ipfs

Publish on Swarm

Compilation Details

ABI Bytecode

Zone name.sol

```
1 // My First Smart Contract
2 // SPDX-License-Identifier: UNLICENSED
3 pragma solidity >=0.5.0 <0.7.0;
4 contract Zone_name {
5     function get()public pure returns (string memory){ infinite gas
6         return 'Zone name';
7     }
8 }
```

0

☐ listen on all transactions

Search with transaction hash or address

Type the library name to see available commands.

Remix - Ethereum IDE & commu xRemix - Ethereum IDE x+

remix.ethereum.org/#lang=en&optimize=false&runs=200&evmVersion=null&version=soljson-v0.6.12+commit.27d51765.js

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