

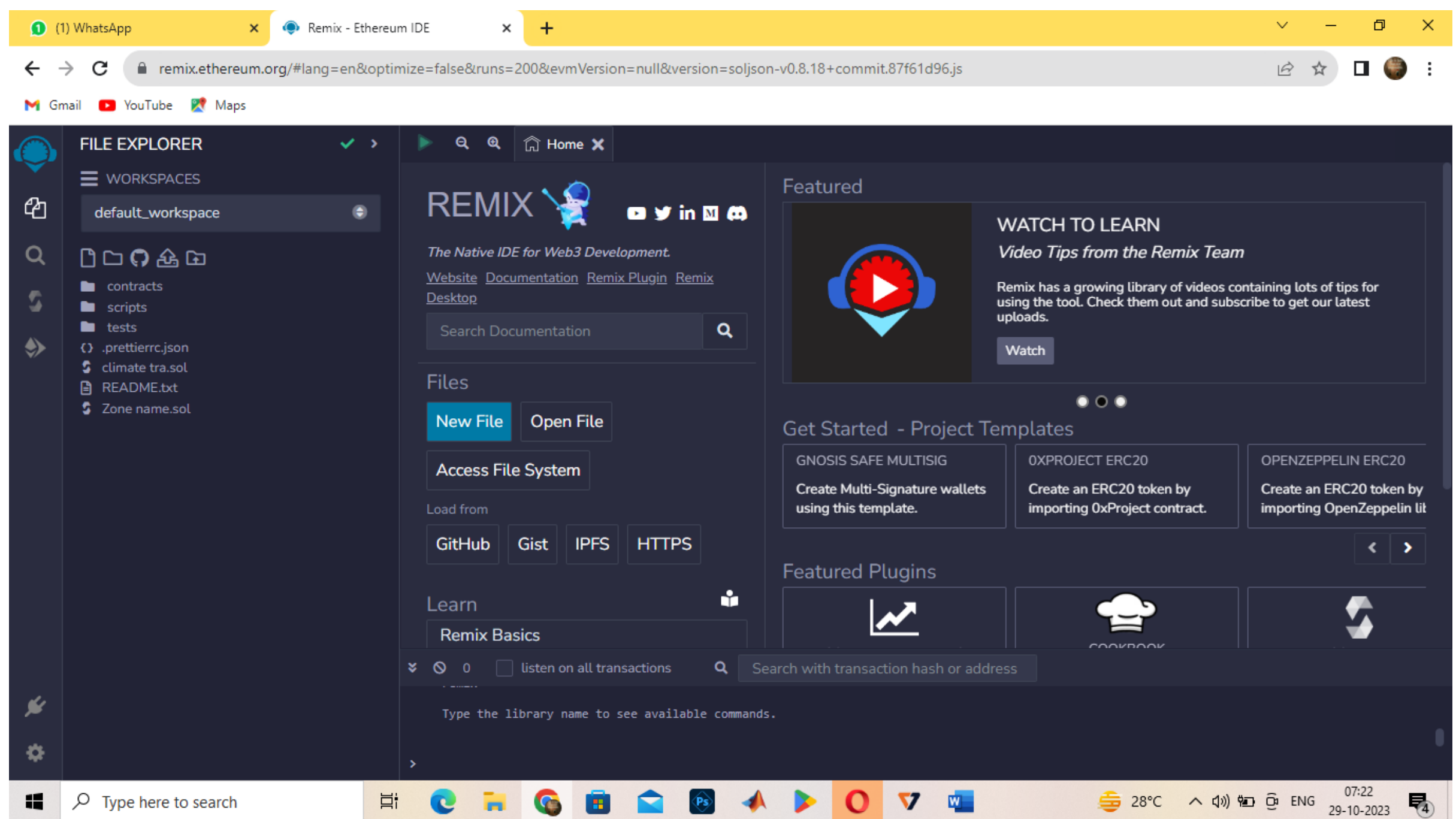
# ASSIGNMENT

K. MUTHU RANITHA

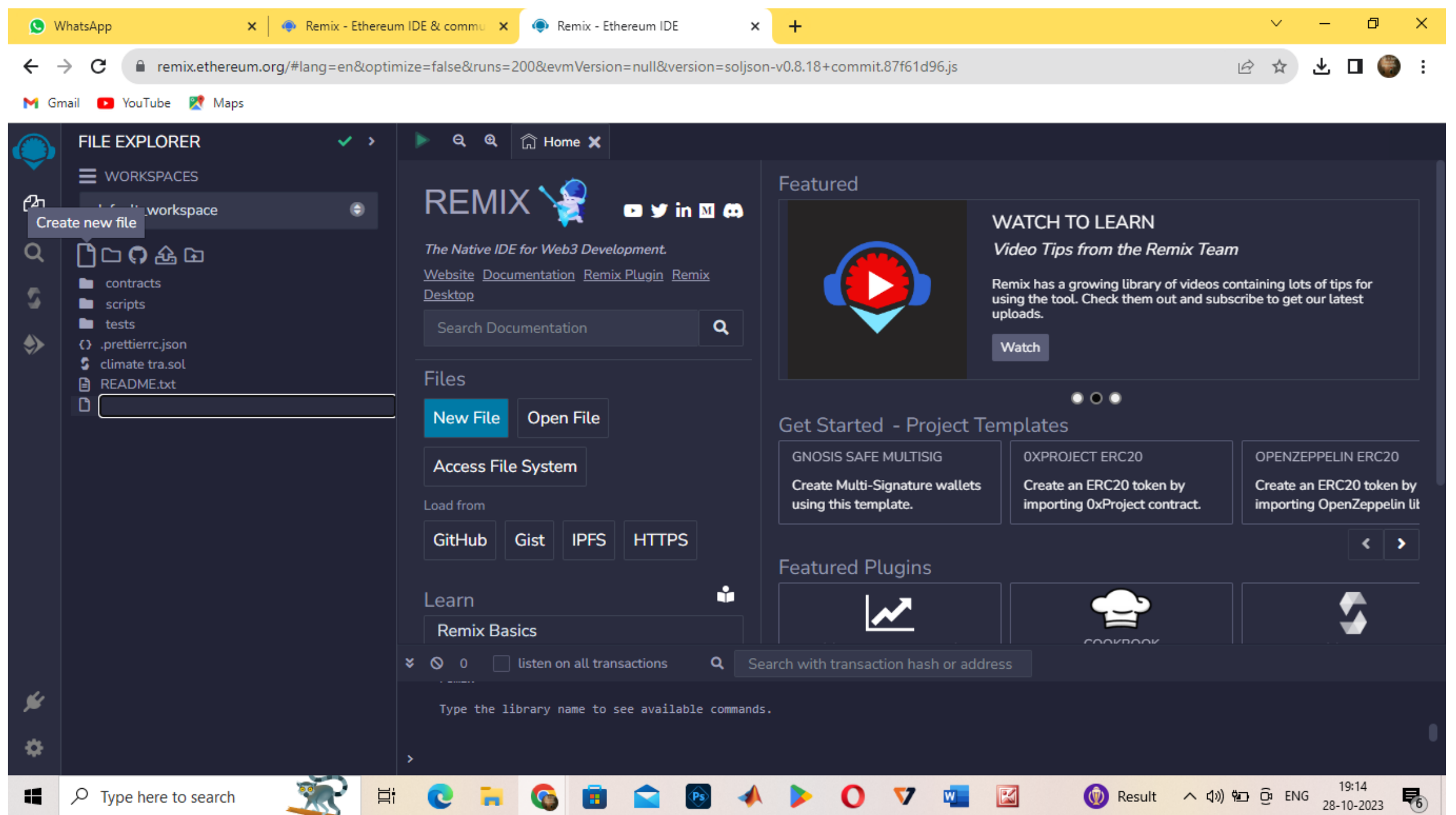
REG NO: 951320106027

TEAM ID: NM2023TMID03075

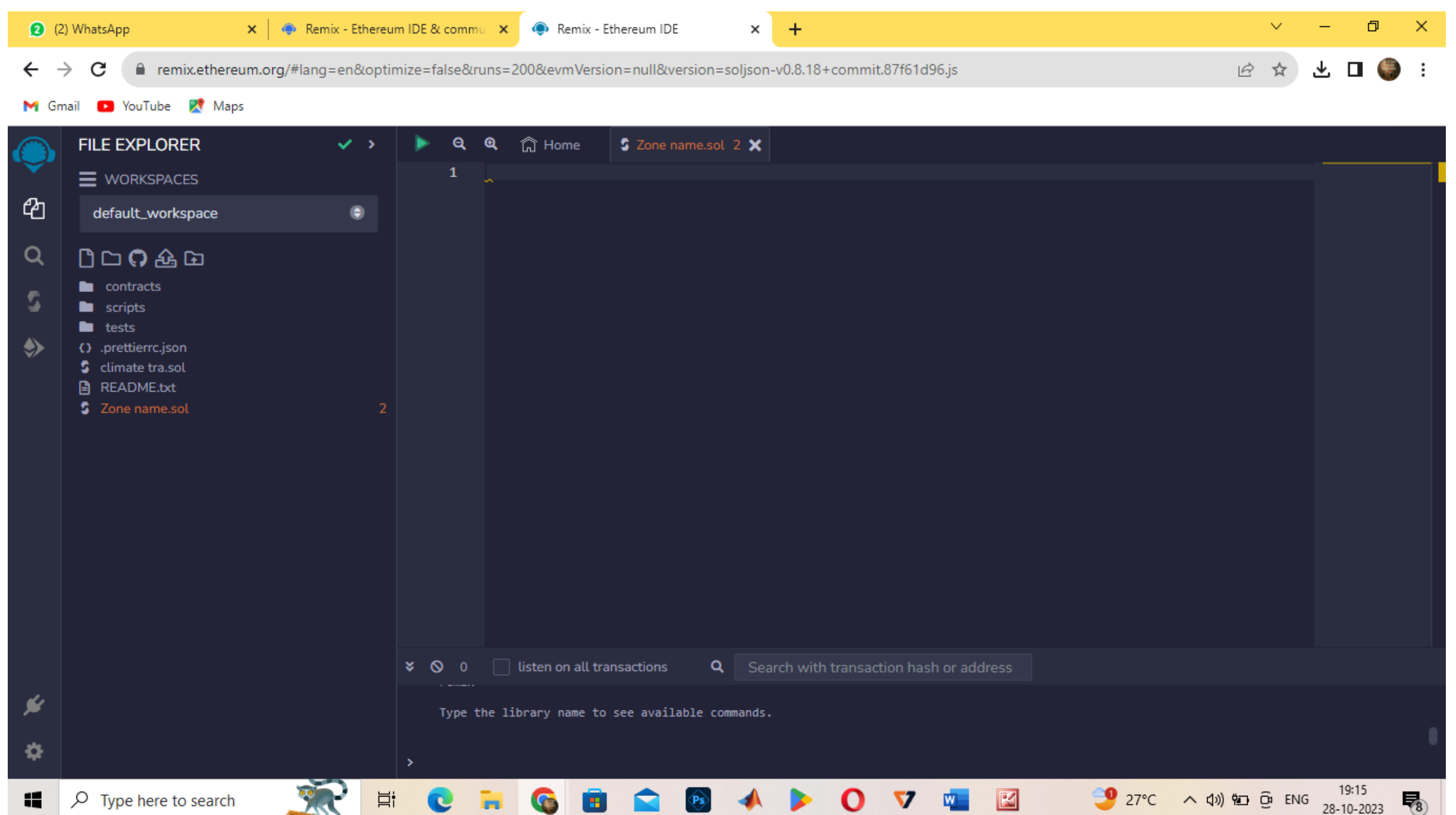
1.GO to the chrome and open remix platform

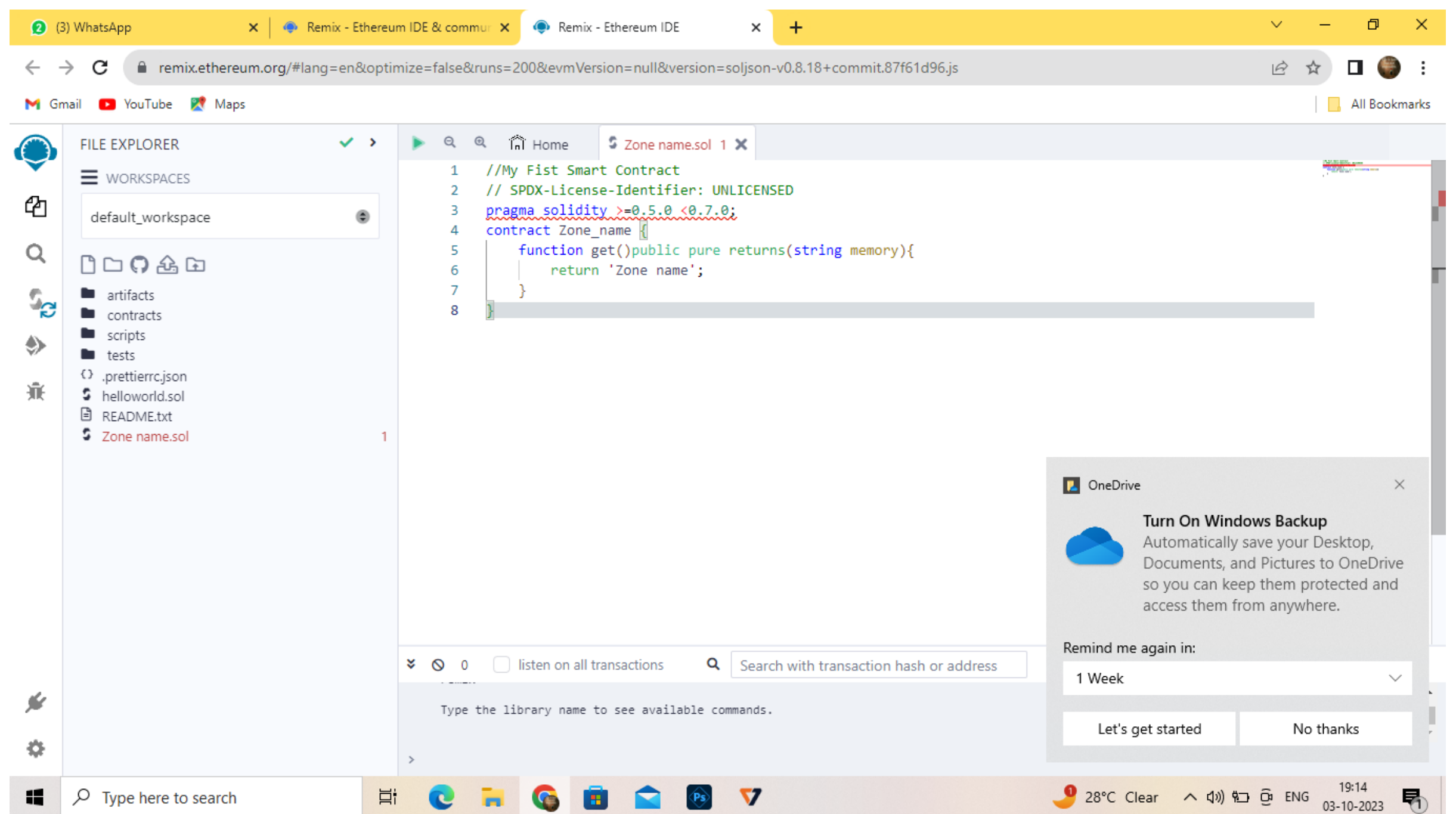


2.Open the remix page and create a new file

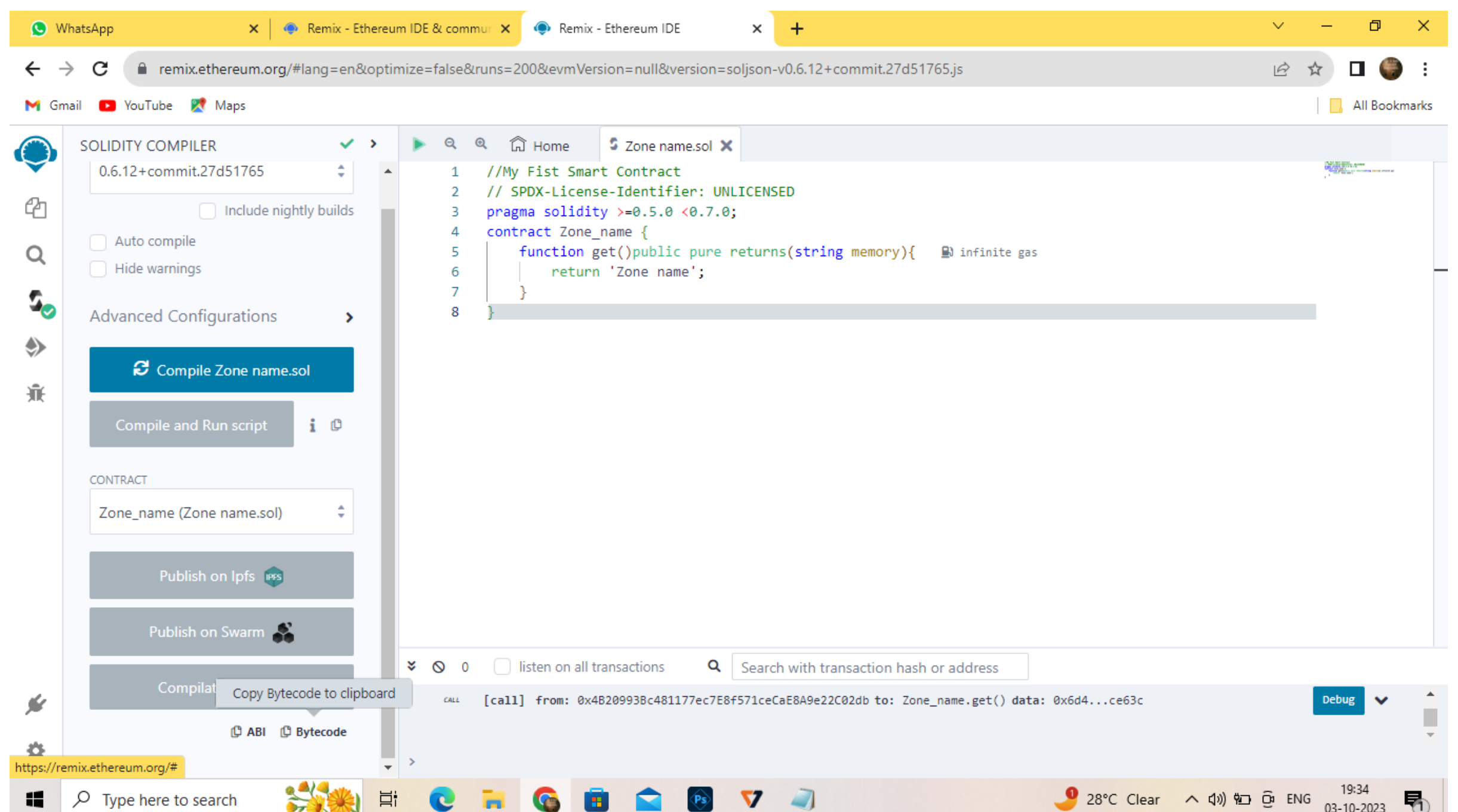


**3. In that newly created file, create a program to return your string, “Zone name”**





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



WhatsApp | Remix - Ethereum IDE & commu | Remix - Ethereum IDE | +

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

Gmail YouTube Maps | All Bookmarks

**SOLIDITY 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

Copy ABI to clipboard

ABI Bytecode

Zone name.sol

```
1 //My Fist 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

CALL [call] from: 0x4B209938c481177ec7E8f571ceCaE8A9e22C02db to: Zone\_name.get() data: 0x6d4...ce63c Debug

https://remix.ethereum.org/#

Type here to search 28°C Clear 19:33 03-10-2023

\*Untitled - Notepad

File Edit Format View Help

ABI:

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

Ln 16, Col 2

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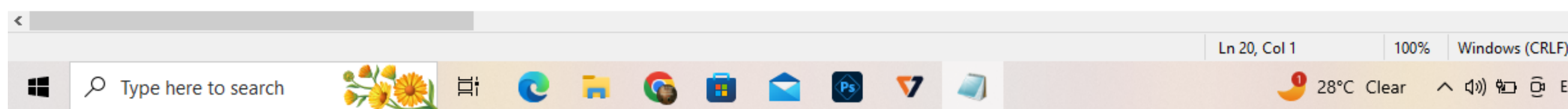


\*Untitled - Notepad

File Edit Format View Help

BYTECODE:

```
608060405234801561001057600080fd
5b5061011e806100206000396000f3fe
6080604052348015600f57600080fd5b5
06004361060285760003560e01c80636
d4ce63c14602d575b600080fd5b60336
0ab565b60405180806020018281038252
838181518152602001915080519060200
19080838360005b838110156071578082
0151818401526020810190506058565b5
0505050905090810190601f168015609d
578082038051600183602003610100a
031916815260200191505b50925050506
0405180910390f35b606060405180604
00160405280600981526020017f5a6f6
e65206e616d650000000000000000000
00000000000000000000000008152
5090509056fea2646970667358221220
5bcab06be3479a378b4af394995ac768
0ac190636c4a3d718136272cc90449864
736f6c63430060c0033
```



## 5.Finally Deploy it to display the output

A screenshot of the Remix Ethereum IDE interface. The top bar shows 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 a "DEPLOY & RUN TRANSACTIONS" panel with a "Deploy" button and a "Publish to IPFS" checkbox. The main editor displays a Solidity smart contract named "Zone\_name.sol" with the following code:

```
1 //My Fist 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 }
```

The bottom panel shows a list of "Deployed Contracts" with a contract named "ZONE\_NAME AT 0X9EC...DDE84 (MEN)". The contract's balance is "0 ETH". The "Low level interactions" section shows a "Transact" button. The bottom status bar displays the transaction details: "[vm] from: 0x4B2...C02db to: Zone\_name.(constructor) value: 0 wei data: 0x608...c0033 logs: 0 hash: 0x423...a4bd7".

WhatsApp

Remix - Ethereum IDE & commu

Remix - Ethereum IDE

+

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

GmailYouTubeMaps

DEPLOY & RUN TRANSACTIONS

CONTRACT

Zone\_name - Zone name.sol

evm version: istanbul

Deploy

☐ Publish to IPFS

At AddressLoad contract from Address

Transactions recorded1

Deployed Contracts

ZONE\_NAME AT 0X9EC...DDE84 (MEN)

Balance: 0 ETH

get

0: string: Zone name

Low level interactions

CALLDATA

Transact

Zone name.sol

```
1 //My Fist 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';
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8 }
```

0

☐ listen on all transactions

Search with transaction hash or address

CALL [call] from: 0x4B20993Bc481177ec7E8f571ceCaE8A9e22C02db to: Zone\_name.get() data: 0x6d4...ce63c

Debug

Type here to search

28°C Clear

19:33

03-10-2023