

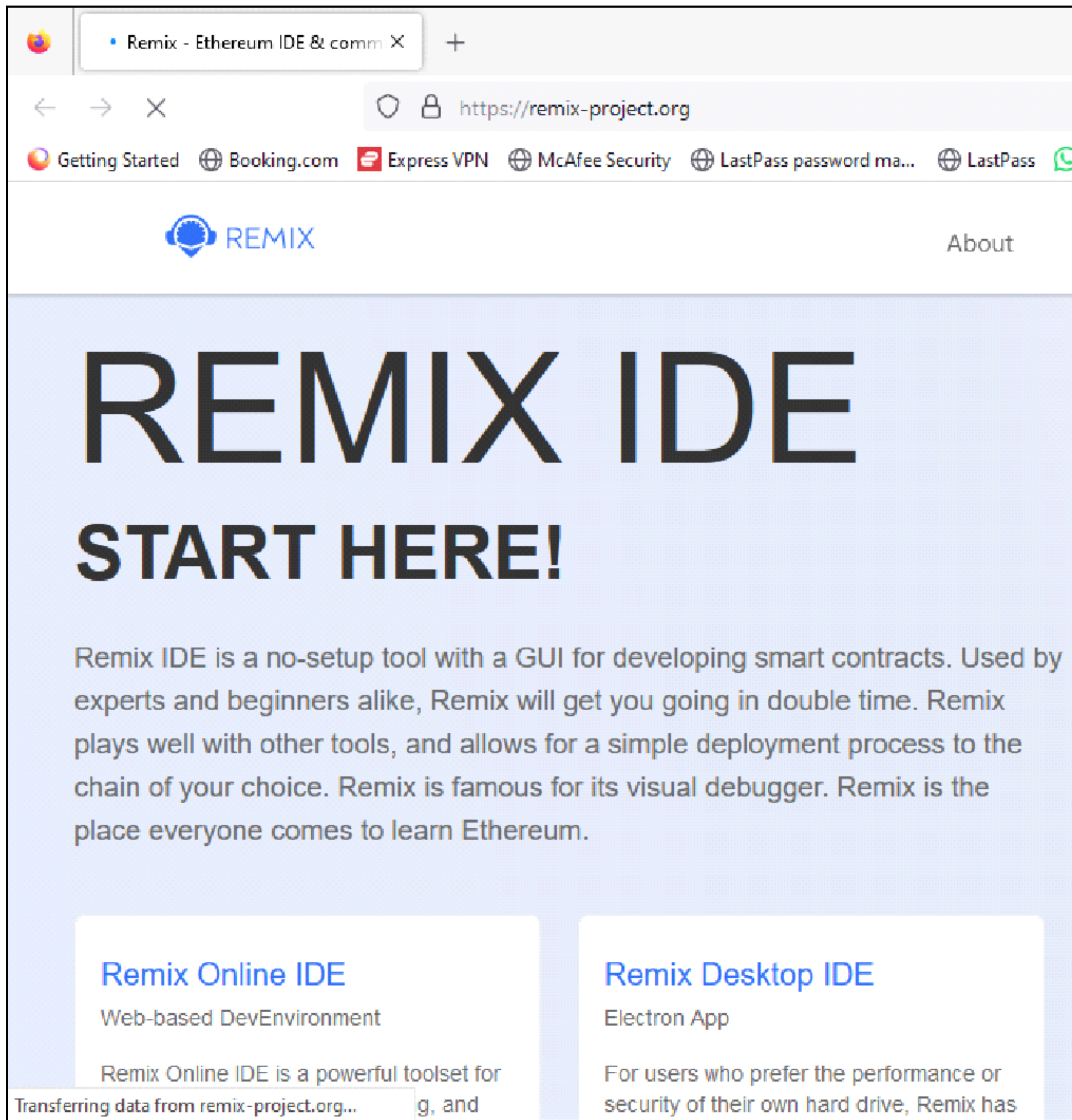
# **ASSIGNMENT**

**S.Muthar Nathiya**


**Reg no-951320106024**

**Team id-NM2023TMID03075**


**1.Go to the chrome and open remix platform**



**2.open the remix page and create a new file**






Remix - Ethereum IDE & commi X





Remix - Ethereum IDE


X

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https://remix.ethereum.org/#lang=en&optimize=false&runs=2008




Getting Started




Booking.com




Express VPN




McAfee Security




LastPass password ma...






LastPass






FILE EXPLORER











WORKSPACES


default\_workspace









contracts




scripts




tests




.prettierrc.json




README.txt








Zone name1.sol



Zone name11.sol


REMIX



The Native IDE for Web3 Development.

[Website](#) [Documentation](#) [Remix Plugin](#) [Remix Desktop](#)

Search Documentation



Files

New File

Open File

Access File System

Load from


GitHub

Gist


IPFS

HTTPS



listen on all transactions



Type the library name to see available co



Find in page



☒ Highlight All

☐ Match Case

☐ Match Diacritics

☒ Whole V



\*Untitled - Notepad

File Edit Format View Help

ABI:

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



Type here to search



\*Untitled - Notepad

File Edit Format View Help

BYTECODE:

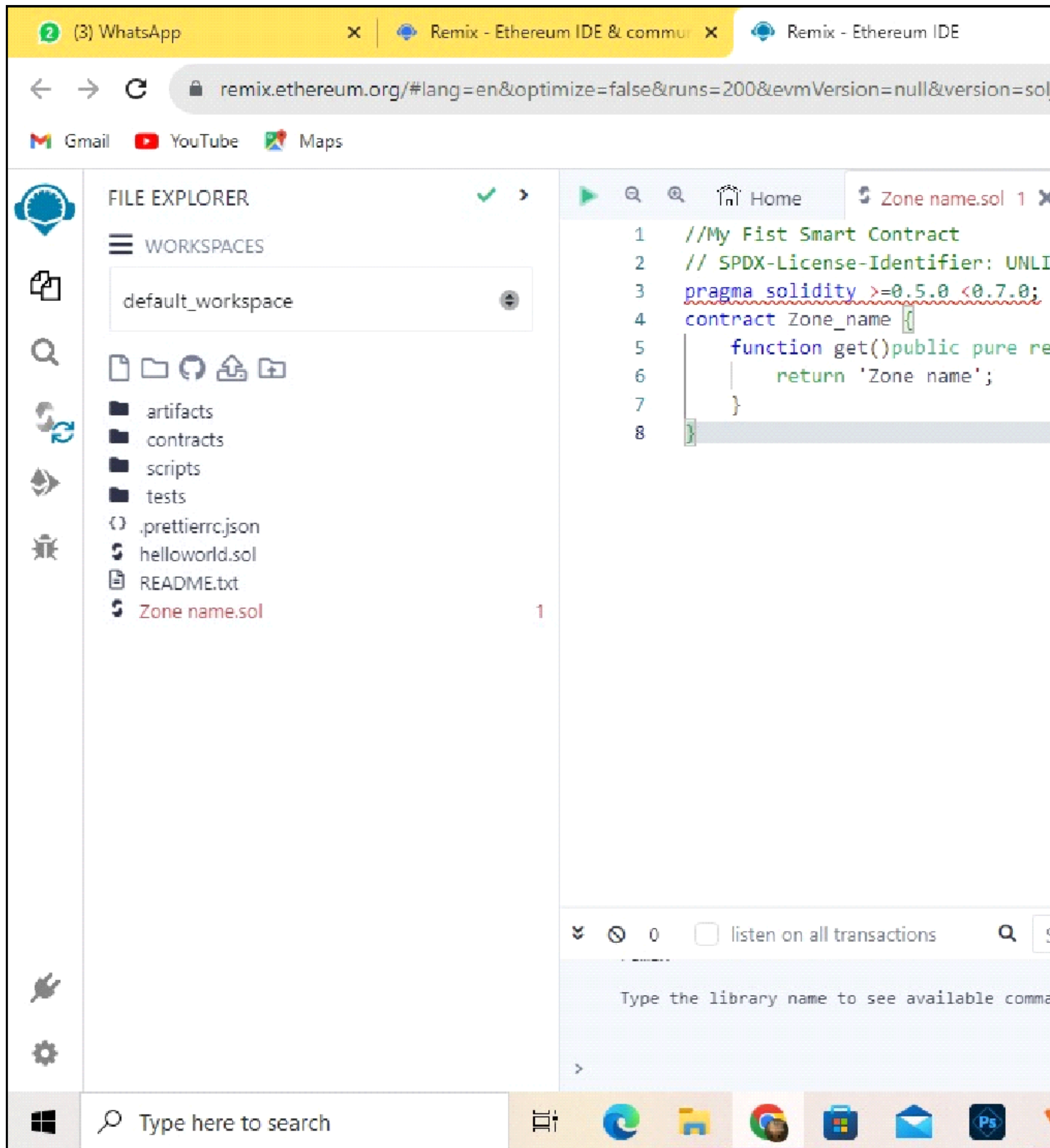
608060405234801561001057600080fd  
5b5061011e806100206000396000f3fe  
6080604052348015600f57600080fd5b5  
06004361060285760003560e01c80636  
d4ce63c14602d575b600080fd5b60336  
0ab565b60405180806020018281038252  
838181518152602001915080519060200  
19080838360005b838110156071578082  
0151818401526020810190506058565b5  
0505050905090810190601f168015609d  
5780820380516001836020036101000a  
031916815260200191505b50925050506  
0405180910390f35b606060405180604  
00160405280600981526020017f5a6f6  
e65206e616d650000000000000000000  
0000000000000000000000000008152  
5090509056fea2646970667358221220  
5bcab06be34794a378b4af394995ac768  
0ac190636c4a3d718136272cc90449864  
736f6c634300060c0033



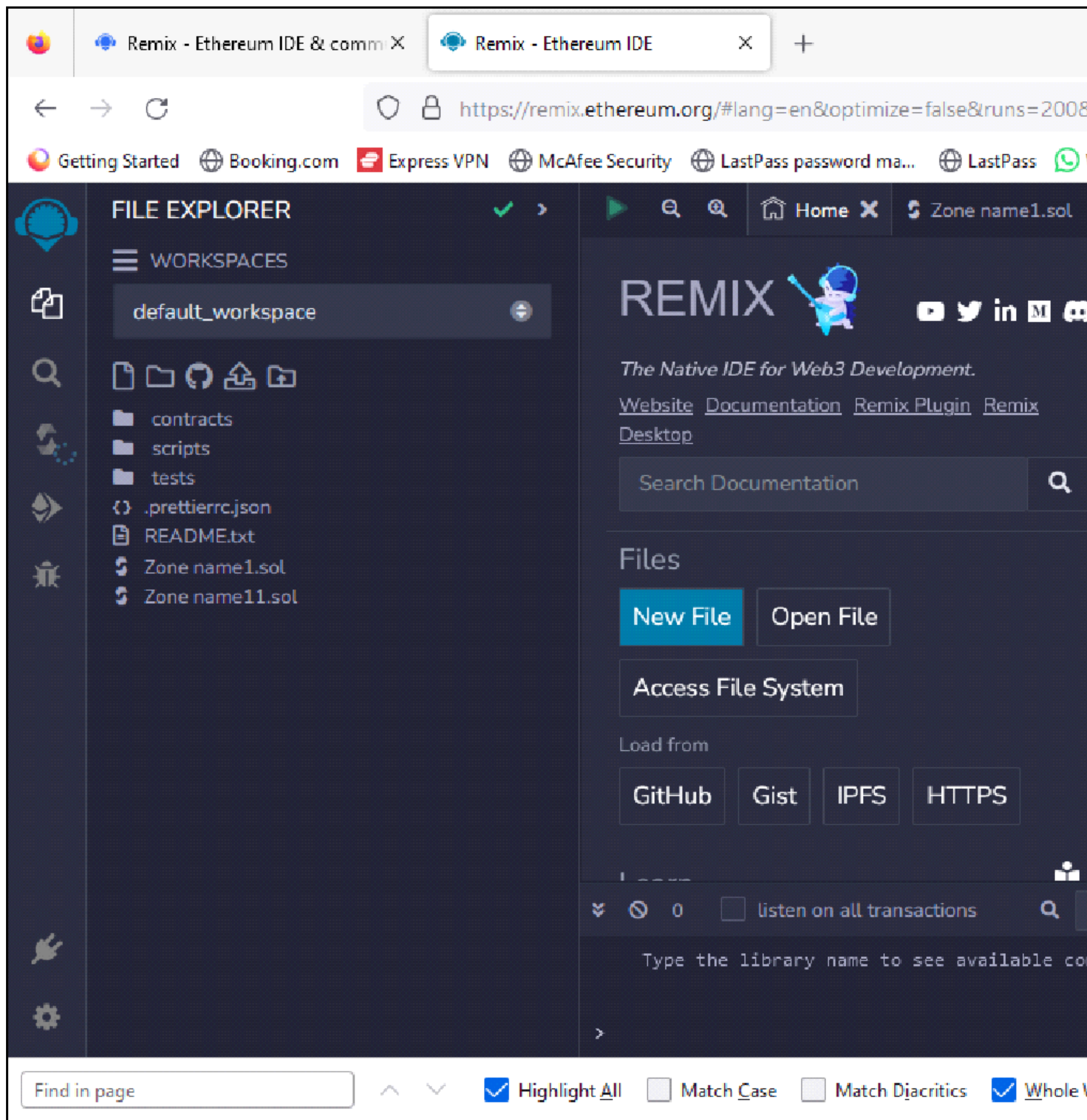
Type here to search



### 3. In that newly created file create a program to return your string ,Zone Name







**4. Save the program and compile it to get the ABland bytecode**

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Remix - Ethereum IDE

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← → ↺

https://remix.ethereum.org/#lang=en&optimize=false&runs=2008

Getting Started Booking.com Express VPN McAfee Security LastPass password ma... LastPass WhatsApp



SOLIDITY COMPILER

COMPILER + 

0.6.12+commit.27d51765



☐ Include nightly builds





☐ Auto compile



☐ Hide warnings




Advanced Configurations >

Compile Zone name1.sol

Compile and Run script  










Home

Zone name1.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) {
6         return 'Zone name';
7     }
8 }
```

  0 ☐ listen on all transactions 

Type the library name to see available contracts

>

na

☒ Highlight All ☒ Match Case ☒ Match Diacritics ☒ Whole Words



WhatsApp

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Remix - Ethereum IDE

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remix.ethereum.org/#lang=en&optimize=false&runs=200&evmVersion=null&version=sol

Gmail

YouTube

Maps

🔊

DEPLOY & RUN TRANSACTIONS

✓

➤

CONTRACT

Zone\_name - Zone name.sol

evm version: istanbul

Deploy

☐ Publish to IPFS

At Address Load contract from Address

Transactions recorded 1 ⓘ ➤

Deployed Contracts

🗑

▼ ZONE\_NAME AT 0X9EC...DDEB4 (MEM) 📄 ✕

Balance: 0 ETH

get

Low level interactions ⓘ

CALLDATA

Transact

▶ 🔍 🔍 🏠 Home

Zone name.sol ✕

1 //My Fist Smart Contract

2 // SPDX-License-Identifier: UNLI

3 pragma solidity >=0.5.0 <0.7.0;

4 contract Zone\_name {

5 |     function get()public pure re

6 |         return 'Zone name';

7 | }

8 }

🔊 0 ☐ listen on all transactions 🔍

✓ [vm] from: 0x4B2...C02db to: Zone\_name

🪟

Type here to search

🌻

🖨

🌐

📁

🔍

📅

📧


📺

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remix.ethereum.org/#lang=en&optimize=false&runs=200&evmVersion=null&version=solc


Gmail YouTube Maps



**DEPLOY & RUN TRANSACTIONS**

ENVIRONMENT 

Remix VM (Shanghai)

VM


ACCOUNT 

0x4B2...C02db (99.9999999%)  


GAS LIMIT

3000000

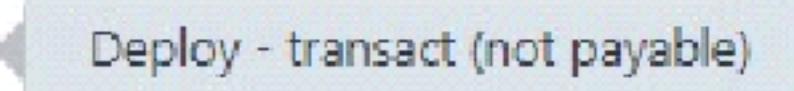
VALUE

0 Wei 

CONTRACT




Zone\_name - Zone name.sol 

evm version: istanbul

Deploy 


☐ Publish to IPFS


At Address Load contract from Address



Transactions recorded   

Home 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) {
6         return 'Zone name';
7     }
8 }
```

0 ☐ listen on all transactions 

 [vm] from: 0x4B2...C02db to: Zone\_name

Type here to search  

**5.Finally deploy it to display tye output**



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Remix - Ethereum IDE

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remix.ethereum.org/#lang=en&optimize=false&runs=200&evmVersion=null&version=sol

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

Compiler

ABI

Bytecode

Copy Bytecode to clipboard

1

//My Fist Smart Contract

2

// SPDX-License-Identifier: UNLI

3

pragma solidity >=0.5.0 <0.7.0;

4

contract Zone\_name {

5

function get()public pure re

6

return 'Zone name';

7

}

8

}

0

☐ listen on all transactions

CALL

[call] from: 0x4B209938c481177ec7E8f5

https://remix.ethereum.org/#

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Remix - Ethereum IDE

←

→

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remix.ethereum.org/#lang=en&optimize=false&runs=200&evmVersion=null&version=sol

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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

Home

Zone name.sol

```
1 //My Fist Smart Contract
2 // SPDX-License-Identifier: UNLI
3 pragma solidity >=0.5.0 <0.7.0;
4 contract Zone_name {
5     function get()public pure re
6     |     return 'Zone name';
7     }
8 }
```

0

☐ listen on all transactions

CALL [call] from: 0x4B209938c481177ec7E8f5

https://remix.ethereum.org/#

Type here to search



