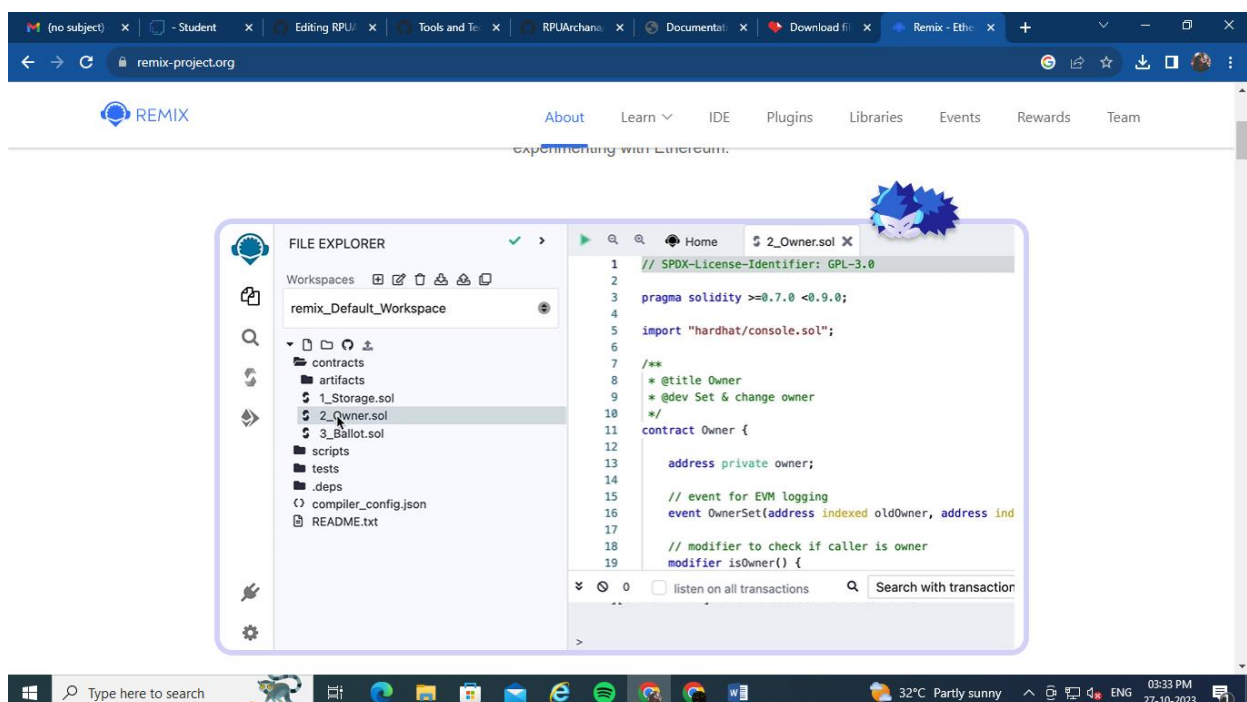
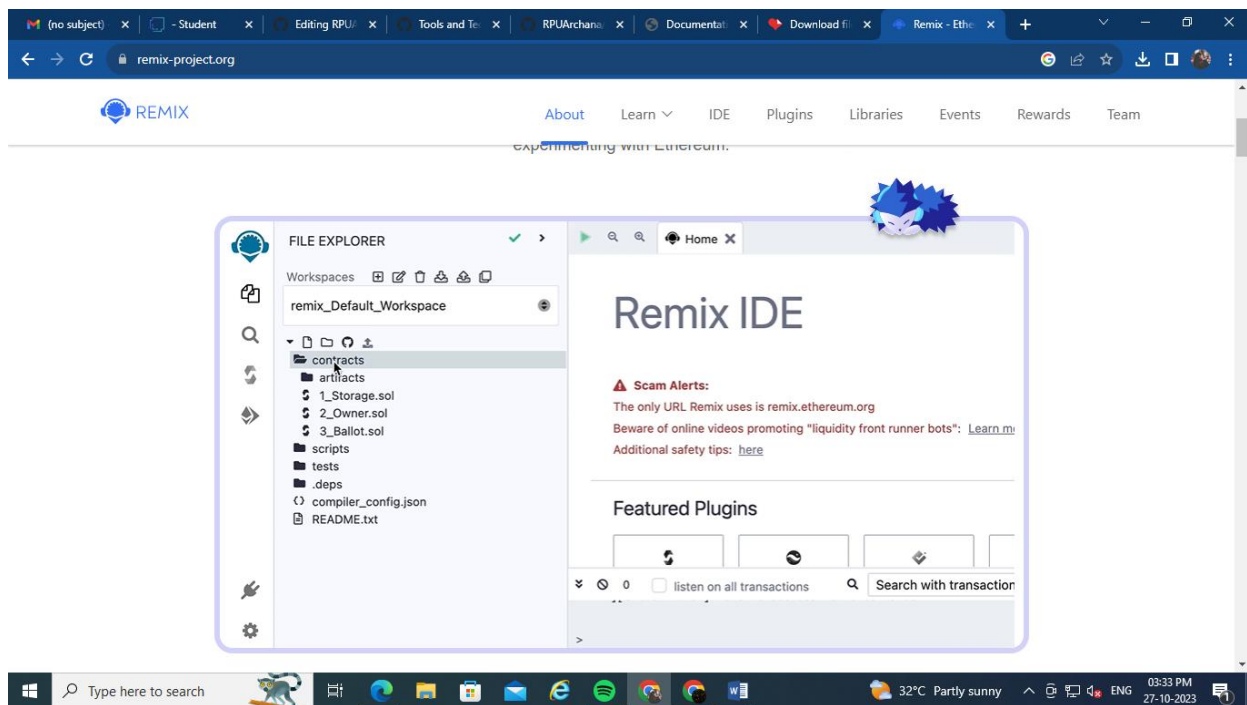


IMPLEMENTATION

Date	20 october2023
Team ID	NM2023TMID02112
Project Name	Food Tracking System
Maximum Marks	4 Marks

Remix IDE



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Expérimenting with Ethereum.

SOLIDITY COMPILER

COMPILER +

0.8.7+commit.e28d00a7

☐ Include nightly builds

☐ Auto compile

☐ Hide warnings

Advanced Configurations

☐ Compiler configuration

LANGUAGE

Solidity

EVM VERSION

default

☐ Enable optimization 200

```
1 // SPDX-License-Identifier: GPL-3.0
2
3 pragma solidity >=0.7.0 <0.9.0;
4
5 import "hardhat/console.sol";
6
7 /**
8  * @title Owner
9  * @dev Set & change owner
10  */
11 contract Owner {
12
13     address private owner;
14
15     // event for EVM logging
16     event OwnerSet(address indexed oldOwner, address ind
17
18     // modifier to check if caller is owner
19     modifier isOwner() {
```

0 ☐ listen on all transactions Search with transaction

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Advanced Configurations

Compile 2_Owner.sol

Compile and Run script

```
1 // SPDX-License-Identifier: GPL-3.0
2
3 pragma solidity >=0.7.0 <0.9.0;
4
5 import "hardhat/console.sol";
6
7 /**
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Advanced Configurations

Ctrl+S for compiling

Compile 2_Owner.sol

Compile and Run script

CONTRACT

Owner (2_Owner.sol)

```
1 // SPDX-License-Identifier: GPL-3.0
2
3 pragma solidity >=0.7.0 <0.9.0;
4
5 import "hardhat/console.sol";
6
7 /**
8  * @title Owner
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15     // event for EVM logging
16     event OwnerSet(address indexed oldOwner, address indexed newOwner);
17
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```

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Experimenting with Ethereum.

DEPLOY & RUN TRANSACTIONS

ENVIRONMENT

Remix VM (London)

VM

ACCOUNT

- ✓ 0x5B3...eddC4 (100 ether)
- 0xAb8...35cB2 (100 ether)
- 0x4B2...C02db (100 ether)
- 0x787...cabaB (100 ether)
- 0x617...5E7f2 (100 ether)
- 0x17F...8c372 (100 ether)
- 0x5c6...21678 (100 ether)
- 0x03C...D1Ff7 (100 ether)
- 0x1aE...E454C (100 ether)
- 0x0A0...C70DC (100 ether)
- 0xCA3...a733c (100 ether)
- 0x147...C160C (100 ether)

```
1 // SPDX-License-Identifier: GPL-3.0
2
3 pragma solidity >=0.7.0 <0.9.0;
4
5 import "hardhat/console.sol";
6
7 /**
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EXPLORE WITH ETHEREUM

DEPLOY & RUN TRANSACTIONS

VALUE: 0 Wei

CONTRACT (Compiled By Remix): Owner - contracts/2_Owner.sol

Deploy

☐ Publish to IPFS

OR

At Address Load contract from Address

Transactions recorded 0

Deployed Contracts

```
1 // SPDX-License-Identifier: GPL-3.0
2
3 pragma solidity >=0.7.0 <0.9.0;
4
5 import "hardhat/console.sol";
6
7 /**
8  * @title Owner
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EXPLORE WITH ETHEREUM

DEPLOY & RUN TRANSACTIONS

At Address Load contract from Address

Transactions recorded 1

Deployed Contracts

OWNER AT 0xD91...39138 (MEMO)

Balance: 0 ETH

changeOwner address newOwner

getOwner

Low level interactions

CALLDATA

Transact

```
1 // SPDX-License-Identifier: GPL-3.0
2
3 pragma solidity >=0.7.0 <0.9.0;
4
5 import "hardhat/console.sol";
6
7 /**
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16     event OwnerSet(address indexed oldOwner, address indexed newOwner);
17
18     // modifier to check if caller is owner
19     modifier isOwner() {
```

[vm] from: 0x5B3...eddC4 to: Owner.(constructor) value: 0 hash: 0x474...a9abc

console.log: Owner contract deployed by: 0x5B38Da6a701c568545dcfcb03fcb875

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