

Lab: Understanding Mappings Intro

Prerequisites

1. Chrome or Firefox browser.
2. An Internet connection
3. Open Remix with the following Smart Contract:

```
pragma solidity ^0.6.0;

contract SimpleMappingExample {

    mapping(uint => bool) public myMapping;
    mapping(address => bool) public myAddressMapping;

    function setValue(uint _index) public {
        myMapping[_index] = true;
    }

    function setMyAddressToTrue() public {
        myAddressMapping[msg.sender] = true;
    }

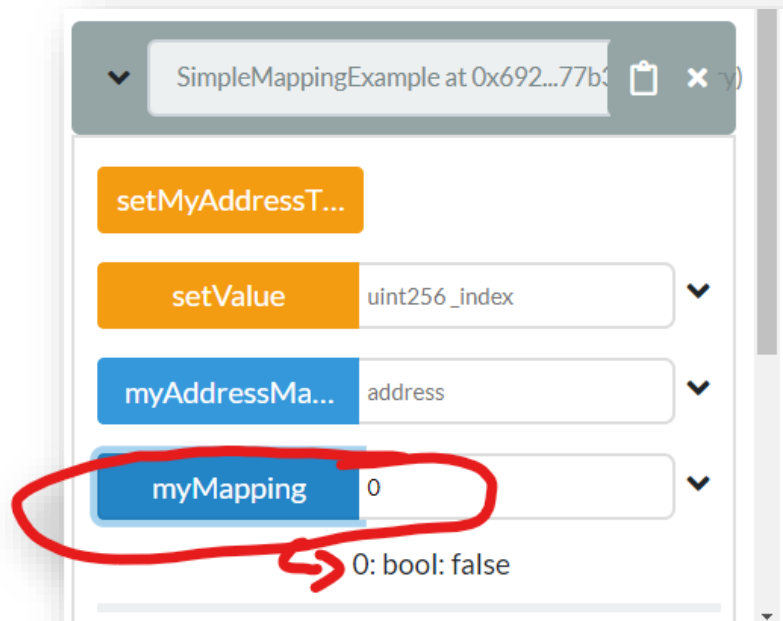
}
```

Step by Step Instruction

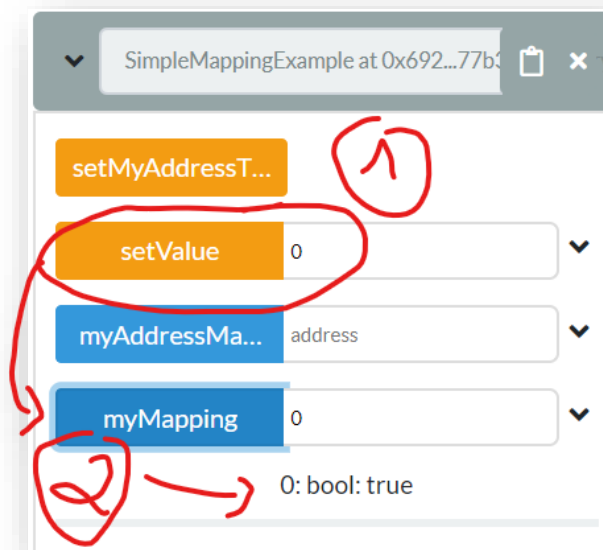
Deploy the Smart Contract in the JavaScript VM

Open the “Deploy and Run Transactions” view in Remix with the smart contract

Check the uint=> bool Mapping Value



Update the uint => bool mapping value



Check your Account Value

DEPLOY & RUN TRANSACTIONS

Environment: JavaScript VM

Account: 0xCA3...a733c (99)

Gas limit: 3000000

Value: 0 wei

SimpleMappingExample - browser

Deploy

or

At Address Load contract from Address

Transactions recorded: 2

Deployed Contracts

SimpleMappingExample at 0x692...77b5

setMyAddressT...

setValue 0

myAddressMa... 0xDe6068dFe2F44E8fa733d

setMyAddressT...

setValue 0

myAddressMa... 0xCA35b7d915458EF540aDf

0: bool: false

myMapping 0

Update your Account Value and Re-Check it

SimpleMappingExample at 0x692...77b5

setMyAddressT...

setValue 0

myAddressMa... 0xCA35b7d915458EF540aDf

0: bool: true

Congratulations, LAB is completed

