

xio [Running] Sun 08:23

You have the **Auto capture keyboard** option turned on. This will cause the Virtual Machine to automatically **capture** the keyboard every time the VM window is activated and make it unavailable to other

Remix - Ethereum IDE - Mozilla Firefox

Activities Remix - Ethereum IDE Document browser/lab3.sol browser/lab4.sol browser/lab5.sol

Compile Run Analysis Testing Debugger Settings Support

Environment Web3Provider 5476967267

Account 0x216...fe236 (99.9999999999971391)

Gas limit 3000000

Value 0 wei

Coursetro

Deploy

or

At Address Load contract from Address

Transactions recorded: 10

Deployed Contracts

Coursetro_lab4 at 0x90b...b2a37 (blockchain)

Coursetro at 0x32c...175ee (blockchain)

setInstructor string _fname, uint256 _age

getInstructor

O: string: lee
1: uint256: 23

creation of Coursetro pending...

[block:28 txIndex:0] from:0x216...fe236 to:Coursetro.(constructor) 0x0 value:0 wei data:0x608...e0029 logs:0 hash:0x052...03f7a

call to Coursetro.getInstructor

[CALL] from:0x21601988f06654c04ab2c443dd5e0e617b9fe236 to:Coursetro.getInstructor() data:0x3c1...b81a5

>

Left %

The screenshot shows the Remix Ethereum IDE interface. The left sidebar lists files: browser/lab3.sol, browser/lab4.sol, and browser/lab5.sol. The main editor area displays the Solidity code for the 'Coursetro' contract. The code defines a constructor that sets the owner to the msg.sender, a modifier 'onlyOwner' that checks if msg.sender == owner, and two public functions: 'setInstructor' which takes a string fname and a uint age, and 'getInstructor' which returns a string fname and a uint age. The environment tab shows a Web3Provider at address 5476967267, an account at 0x216...fe236 with 99.9999999999971391 Wei, a gas limit of 3000000, and a value of 0 Wei. The transactions recorded section shows one pending transaction for the constructor and one call to getInstructor with parameters 'lee' and '23'. The deployed contracts section shows 'Coursetro_lab4' at address 0x90b...b2a37 and 'Coursetro' at address 0x32c...175ee. The 'setInstructor' function is shown with its parameters: 'string _fname, uint256 _age', and the 'getInstructor' function is shown with its return value: 'O: string: lee 1: uint256: 23'.

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Remix - Ethereum IDE - Mozilla Firefox

Activities Visual Studio Code

Remix - Ethereum IDE Document

index2.html - Visual Studio Code

File Edit Selection View Go Run Terminal Help

browser

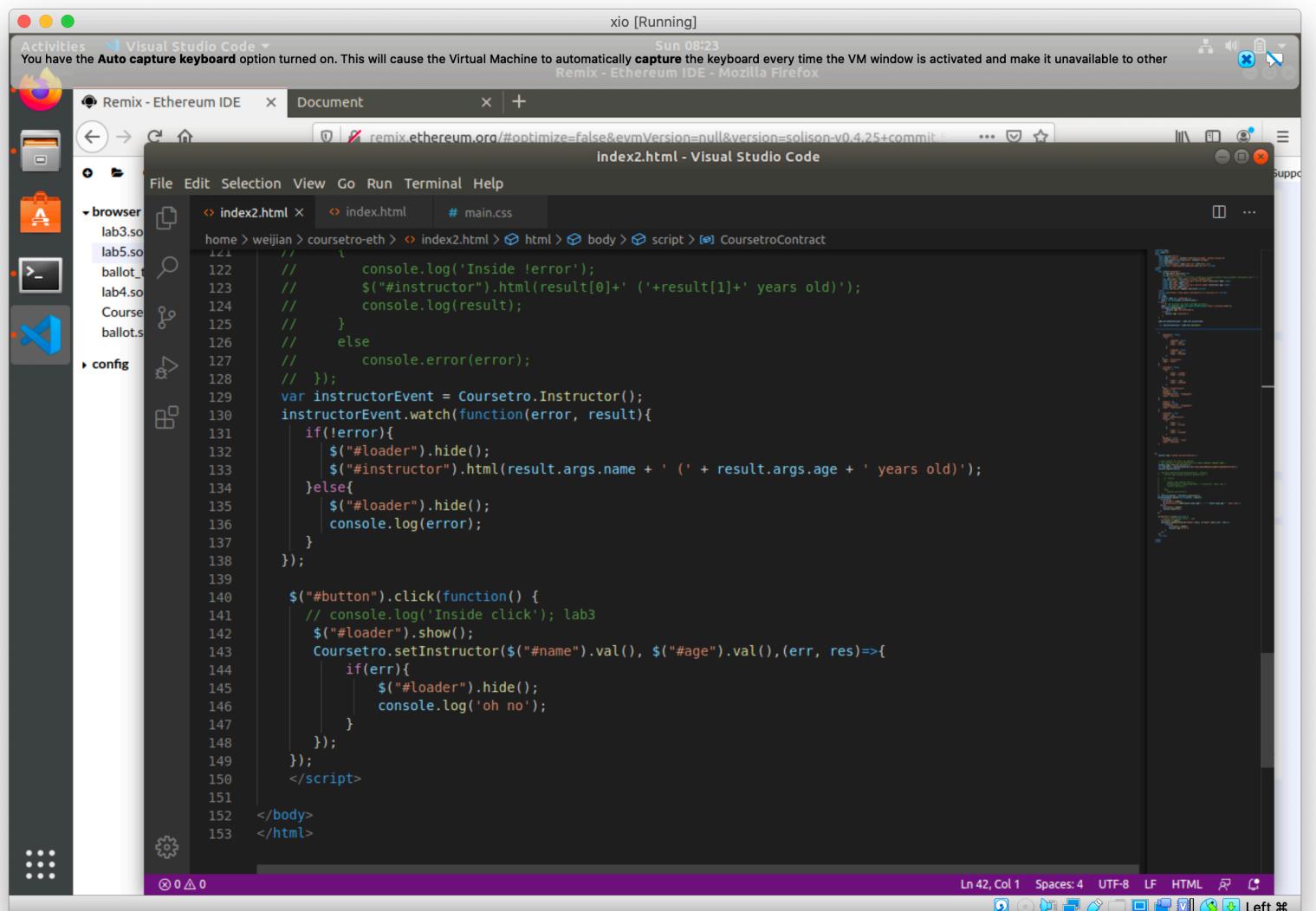
- lab3.so
- lab5.so
- ballot_
- lab4.so
- Course
- ballots.s

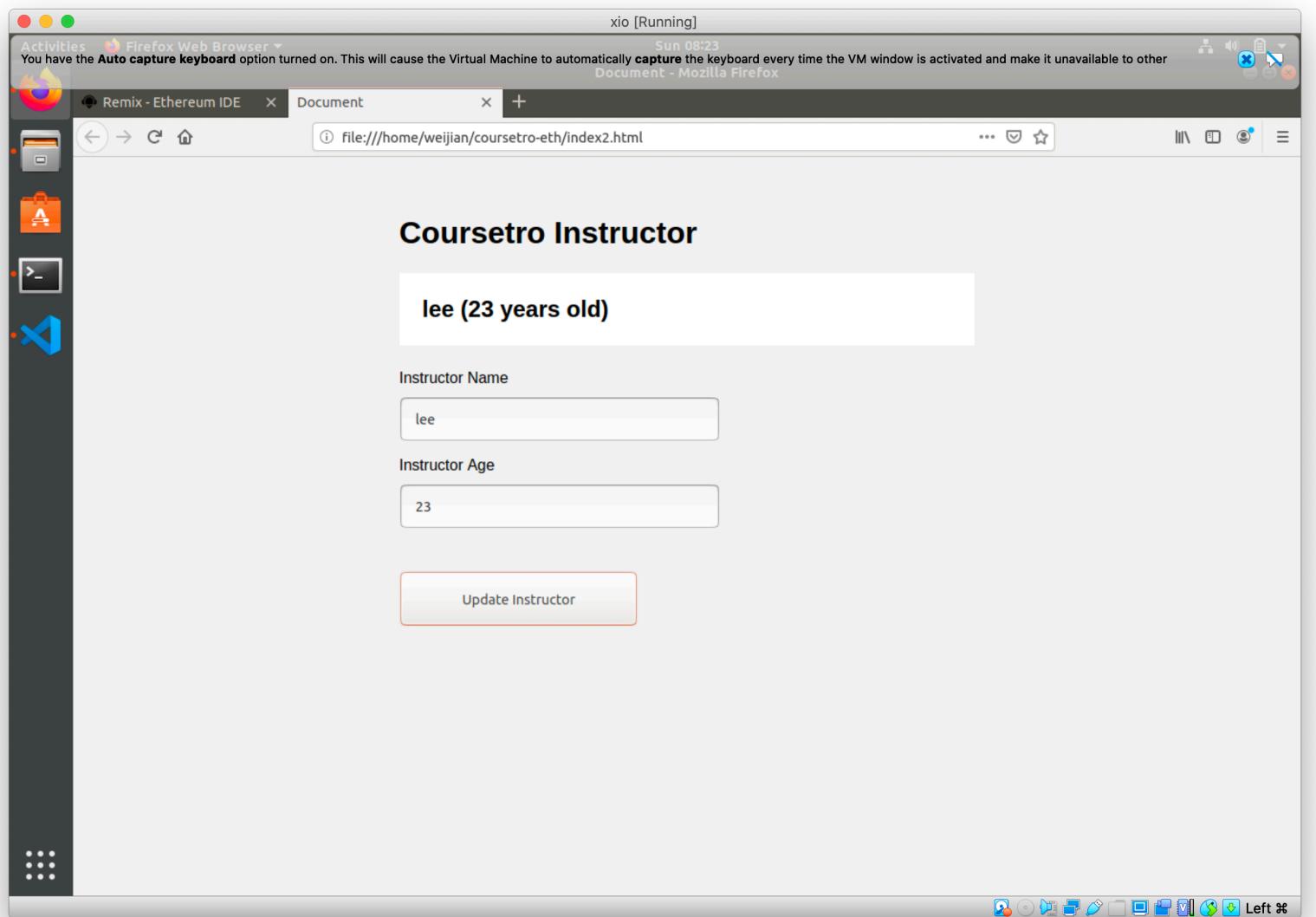
config

index2.html index.html # main.css

```
home > weijian > coursetro-eth > index2.html > html > body > script > CoursetroContract
121 //      [
122 //        console.log('Inside !error');
123 //        $("#instructor").html(result[0] + ('+result[1]+ years old'));
124 //        console.log(result);
125 //      }
126 //      else
127 //        console.error(error);
128 //    });
129 var instructorEvent = Coursetro.Instructor();
130 instructorEvent.watch(function(error, result){
131   if(error){
132     $("#loader").hide();
133     $("#instructor").html(result.args.name + (' + result.args.age + years old'));
134   }else{
135     $("#loader").hide();
136     console.log(error);
137   }
138 });
139
140 $("#button").click(function() {
141   // console.log('Inside click'); lab3
142   $("#loader").show();
143   Coursetro.setInstructor($("#name").val(), $("#age").val(),(err, res)=>{
144     if(err){
145       $("#loader").hide();
146       console.log('oh no');
147     }
148   });
149   </script>
150
151 </body>
152 </html>
```

Ln 42, Col 1 Spaces: 4 UTF-8 LF HTML ⌂ Left ⌂





xio [Running]
Sun 08:26

Activities Visual Studio Code ▾

Remix - Ethereum IDE Document Document +

Document - Mozilla Firefox

file:///home/weijian/coursetro-eth/index2.html
index2.html - Visual Studio Code

File Edit Selection View Go Run Terminal Help

index2.html index.html # main.css

```
21 home > weijian > coursetro-eth > index2.html > html > body > script
22   </div>
23   <script src="https://code.jquery.com/jquery-3.2.1.slim.min.js"></script>
24   <script>
25     var web3;
26     if (typeof web3 !== 'undefined') {
27       web3 = new Web3(web3.currentProvider);
28     } else {
29       // set the provider you want from Web3.providers
30       web3 = new Web3(new Web3.providers.HttpProvider("http://localhost:8545"));
31       if(!web3.isConnected()) {
32         console.log('not-connected');
33       } else {
34         console.log('connected');
35       }
36     }
37
38     web3.eth.defaultAccount = web3.eth.accounts[2];
39
40     var CoursetroContract = web3.eth.contract([
41
42
43
44
45       {
46         "anonymous": false,
47         "inputs": [
48           {
49             "indexed": false,
50             "name": "name",
51             "type": "string"
52           },
53           {
54             "indexed": false,
55             "name": "age",
56             "type": "uint256"
57           }
58         ]
59       }
60     ]);
61
62     CoursetroContract.deployed().then(function(instance) {
63       instance.createCourse("Coursetro", 21).catch(function(error) {
64         console.log(error.message);
65       });
66     });
67   }
68
69   </script>
```

Ln 38, Col 50 Spaces:4 UTF-8 LF HTML ⌂ Left ⌂

xio [Running]
Activities Firefox Web Browser ▾ Sun 08:25
Document - Mozilla Firefox

Remix - Ethereum IDE Document Document +
file:///home/weijian/coursetro-eth/index2.html

Coursetro Instructor

lee (23 years old)

Instructor Name

Instructor Age

Update Instructor

Console

```
connected index2.html:34:20
created CoursetroContract index2.html:108:13
Creating Coursetro index2.html:113:13
> Object { _eth: {...}, transactionHash: null, address: "0x32c4bdec080be39c34808ffc4463e067127175ee", abi: (4) [...], setInstructor: (), getInstructor: (), allEvents: () }, index2.html:115:13
Instructor: () }

oh no index2.html:146:24
oh no index2.html:146:24
oh no index2.html:146:24
>>
```