Lab 6: Solidity Mappings & Structs Tutorial

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Step 1 & Step 2 & Step 3 & Step 4 & Step 5: Creating a Struct &

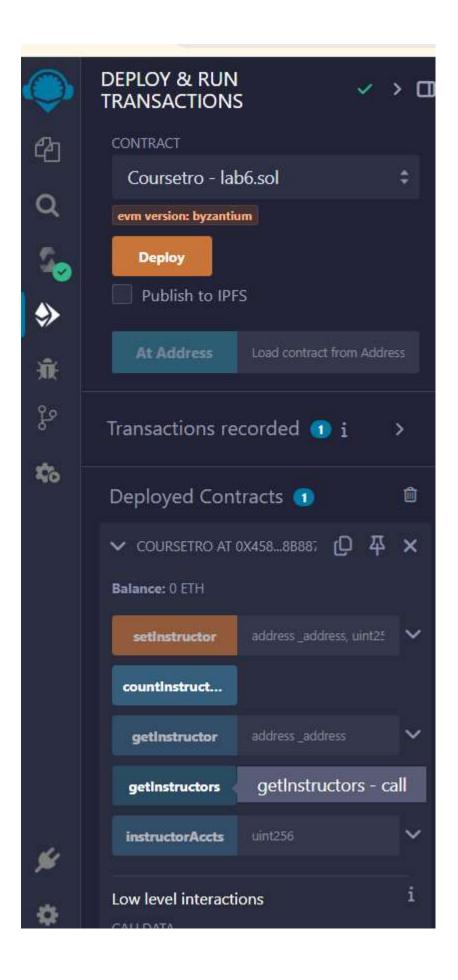
Mapping, Add & Get & Count from Mapping

Go to Remix Ethereum IDE at http://remix.ethereum.org and create smart contract called lab6.sol

final lab6.sol content

```
pragma solidity ^0.4.18;
3 contract Coursetro {
4 struct Instructor (
5 wint age;
   string flame;
   string lName;
    mapping (address => Instructor) instructors;
                                       uint _age, string memory _fName, string memory _lName) public {
   Inst address[] public instructorAccts rs[ address];
15 inst lab6.sol 10:0
17 instructorAccts.push(_address);
21 return instructorAccts;
24 function getInstructor(address _address) view public returns (uint, string memory, string memory) {
    return (instructors[_address].age, instructors[_address].fName, instructors[_address].lName);
    function countInstructors() view public returns (wint) { ■ 498 gas
```

compile and deploy the contract



test the methods like this, the account address was chose from the ganache available accounts when you start the RPC server

