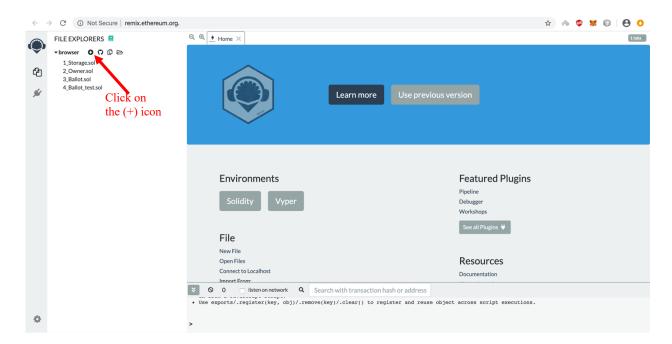
Ethereum Smart Contracts (Remix IDE)

Open URL: http://remix.ethereum.org./

Step 1:

Click on the (+) icon on the upper left portion of the editor to create a new smart contract. Call it "Coursetro.sol".

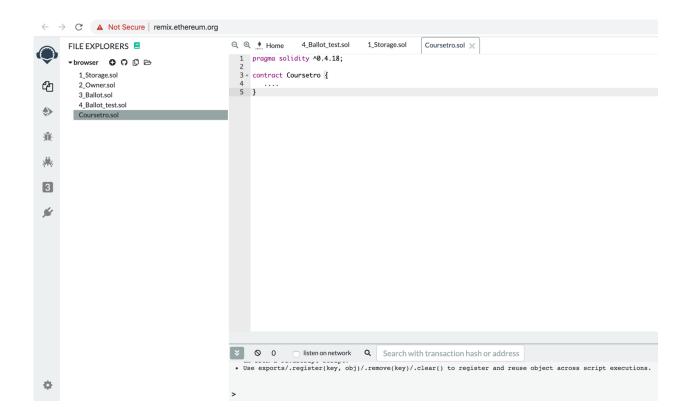


Step 2:

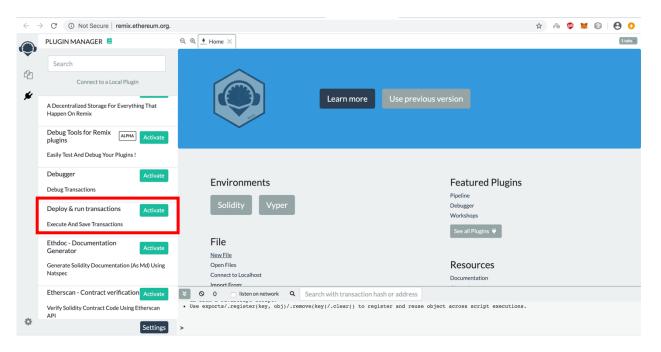
Start off by writing (or pasting) the following code:

// This line defines the version of solidity you're going to use. pragma solidity ^0.4.18;

```
contract Coursetro { .... }
```

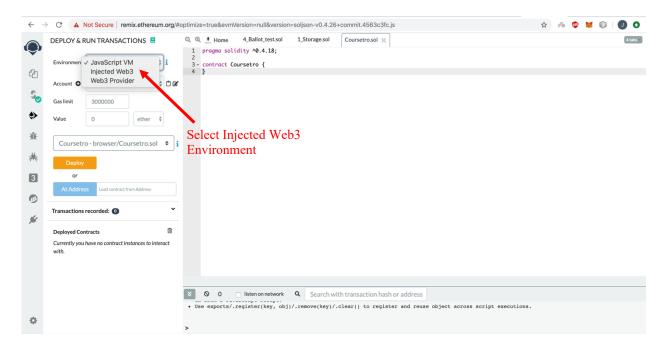


Step 3: Click plugin manager Activate Deploy & Run transactions



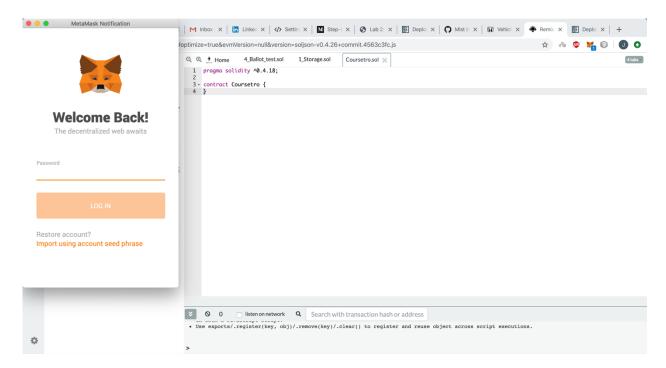
On the left side of the browser select **Deploy & Run transactions** you will see a Deploy button. Click on this.

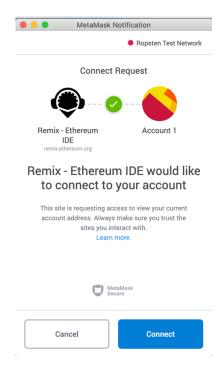
You will notice that underneath the Deploy button shows a new section with the name of the contract and "at 0x..." (memory):



Step 4:

Create **MetaMask** Account and connect that account while deploying smart contract:





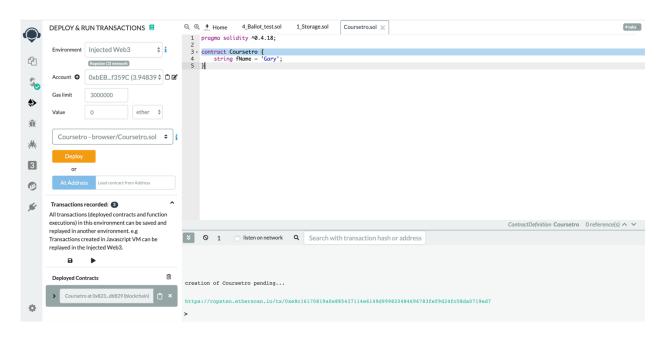
Step 5:

To see this full address along with other information, in the debugger if you click on the **down arrow** button, it will provide you with more information:



Step 6:

Define a string variable in our contract



Step 7:

Paste Following code in the smart contract:

```
pragma solidity ^0.4.18;
```

```
contract Coursetro {
    string fName;
    uint age;

function Coursetro() public {
    fName = 'Gary';
    age = 34;
}

// setInstructor accepts 2 parameters, _fName and _age.
// Once called, we set our string fName to the returned
// _fName, and same with age.
function setInstructor(string _fName, uint _age) public {
    fName = _fName;
    age = _age;
}
```

```
// The getInstructor() function is defined as being
// constant, and it returns a string and a uint. This is where
// we return the fName and age variable once it's called.
function getInstructor() public constant returns (string, uint) {
    return (fName, age);
}
```

Step 8:

Click Deploy and

- Under the red set Instructor button, type in: "Gary", 34 and click the button.
- Next, click on the getInstructor() button and you will notice it now returns the inputed value!

This is how you set variables from user input in a smart contract.

