Lab: Use Remix to create a Smart Contract

Prerequisites

1. Chrome or Firefox browser.
2. An Internet connection
3. MetaMask Plugin connected to the Test-Net from the previous Lab
4. Some Funds in your Account

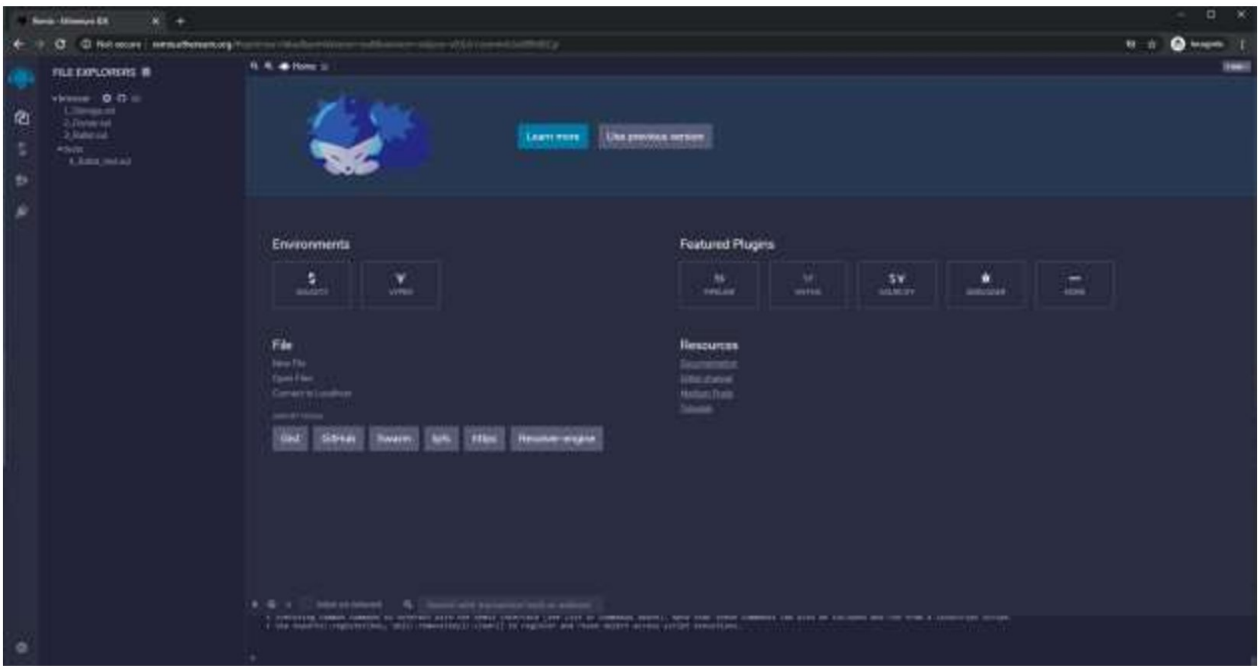
This document has been updated in March 2020 to reflect Solidity 0.6 changes.

Step by Step Instruction

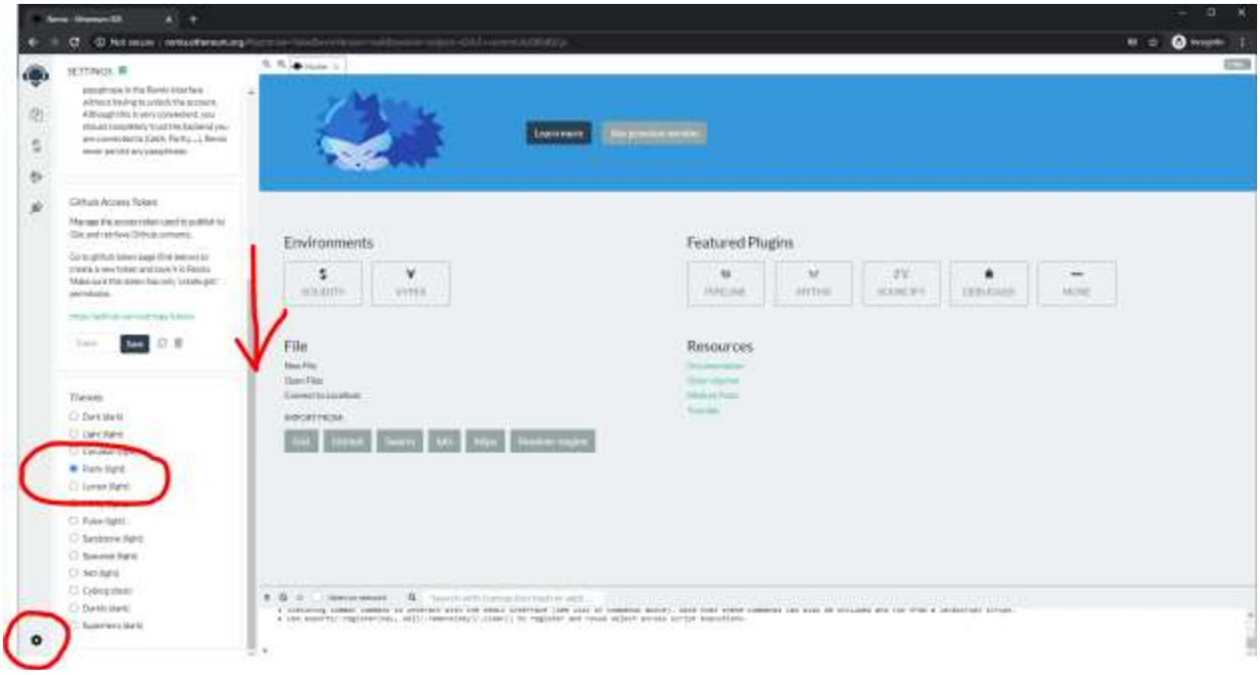
Creating your first Smart Contract

Open Remix at http://remix.ethereum.org. Note, it is http, not https.

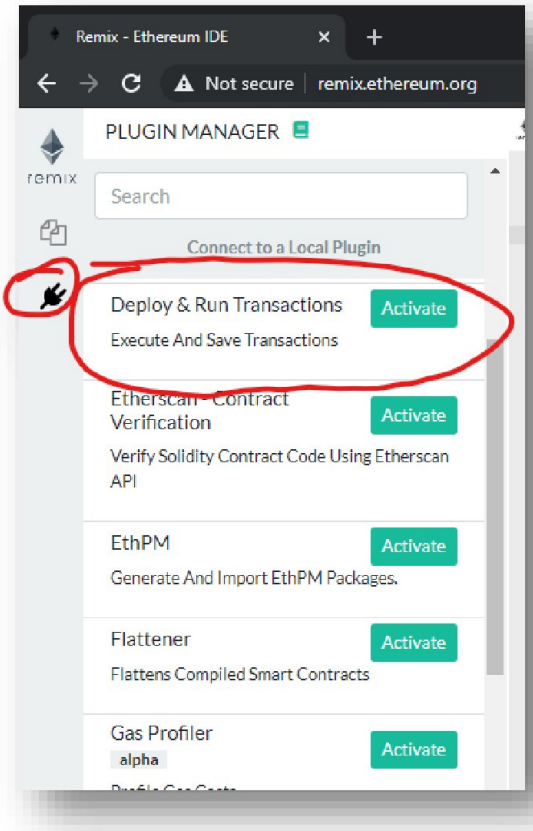
It opens dark mode theme as default.

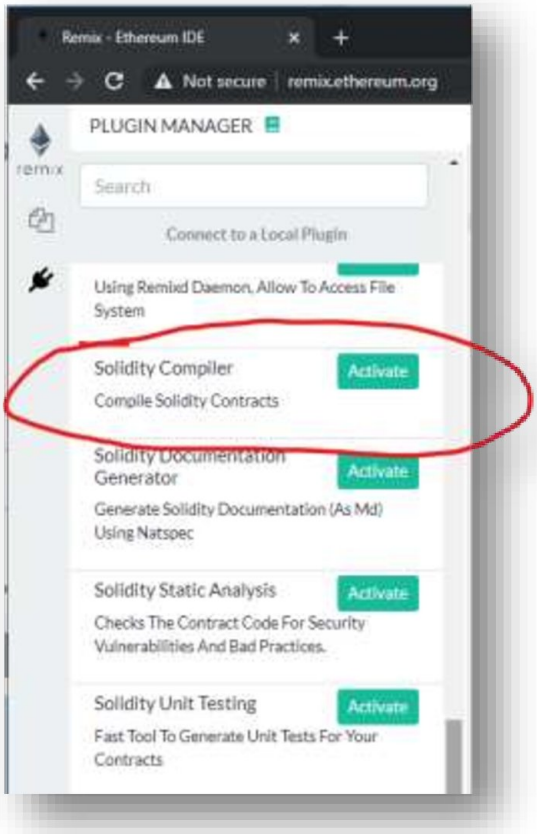


You can use any theme you like. Click the Setting icon at the bottom left, scroll down, and choose whatever theme you like. I chose Flatly theme.

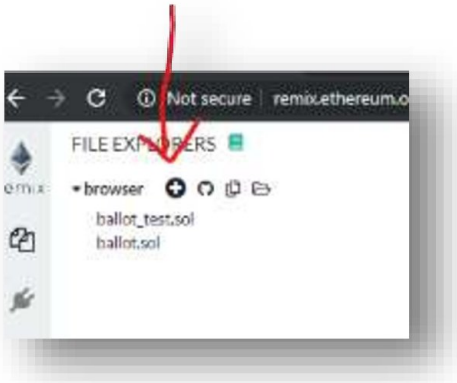


Enable the right plugins:

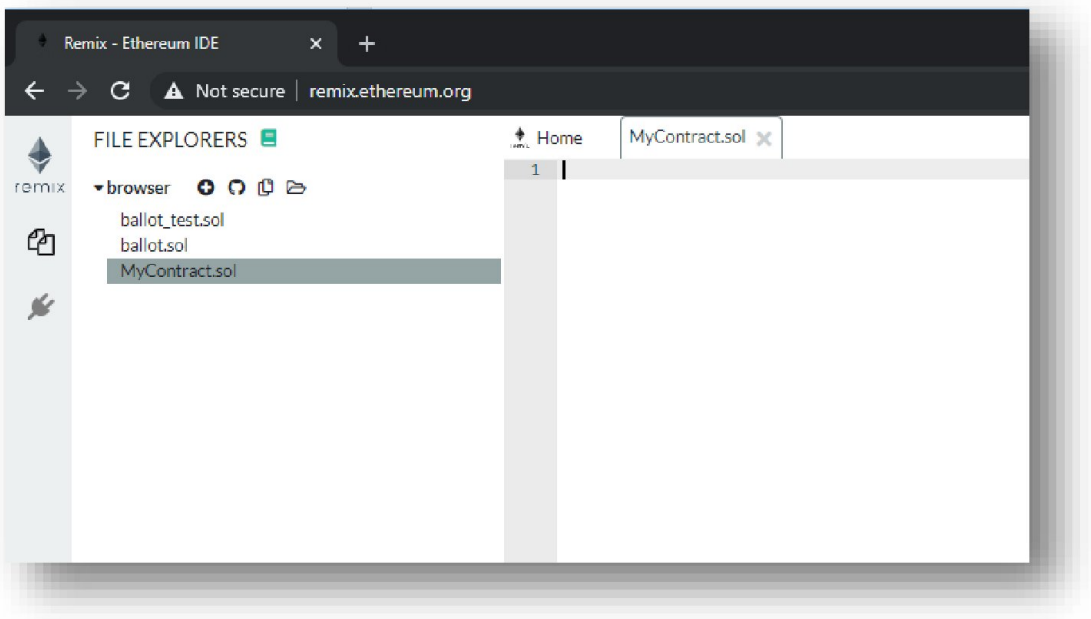




Create a new File:



Name it "MyContract.sol":



Add some code:

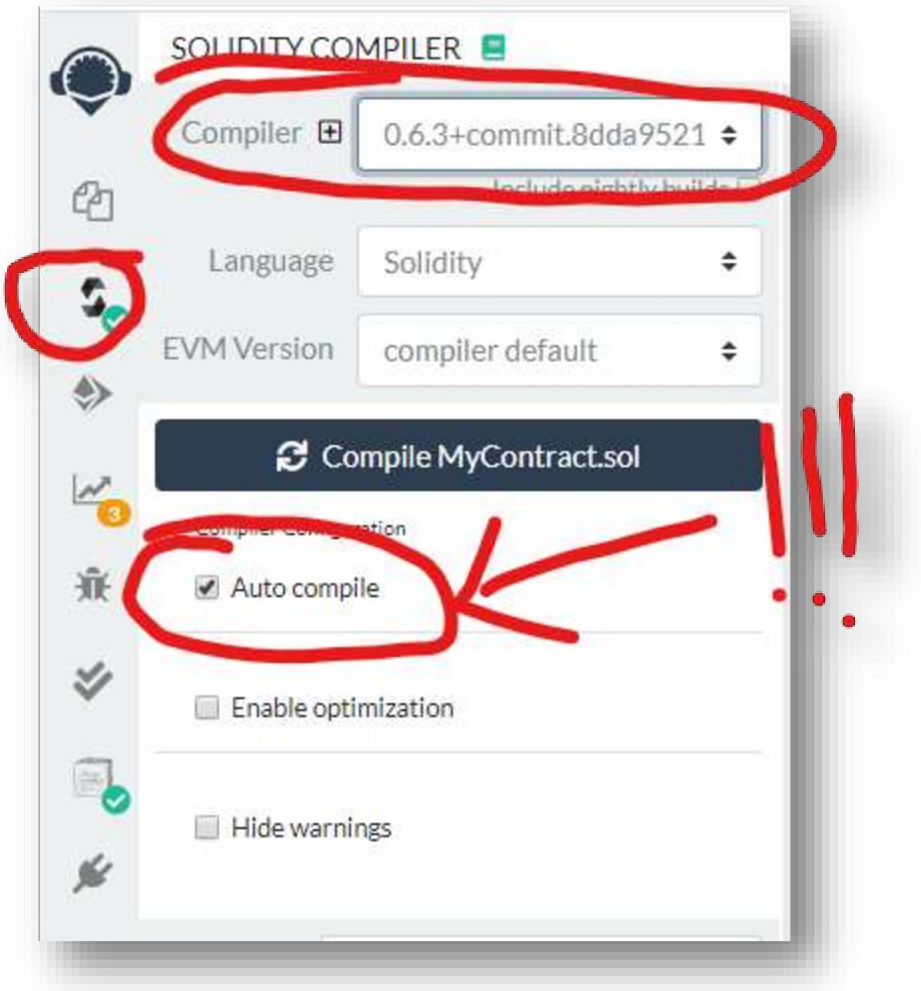
```
pragma solidity ^0.6.0;

contract MyContract {
    string public myString = 'hello world!';
}
```

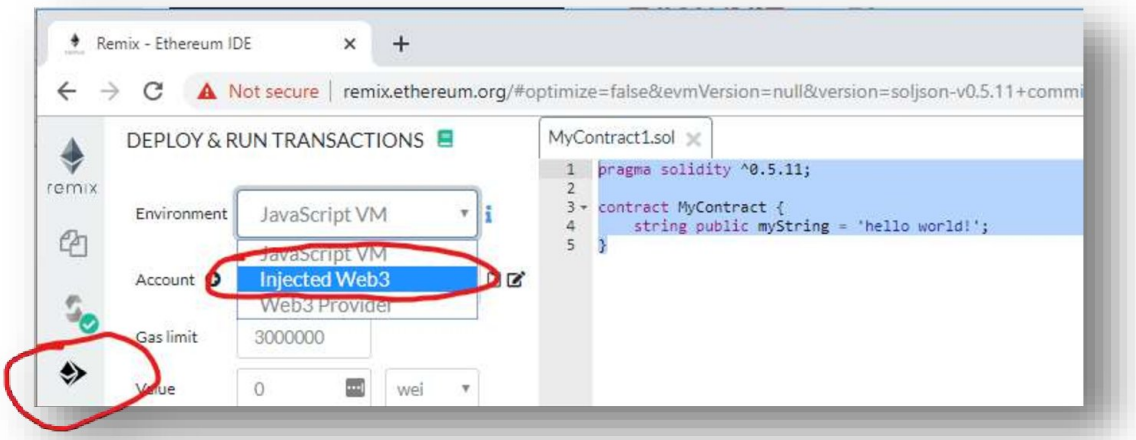

Make sure AutoCompile Is set to true

ATTENTION: This is not in the video: Make sure “Auto Compile” is set to true

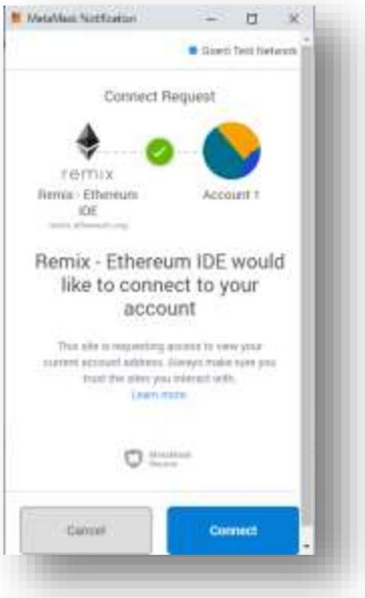
Set “Auto compile” to true, so you don’t have to compile your smart contracts before deployment all the time. Setting this to true is very very handy for smaller projects or these tutorials here.



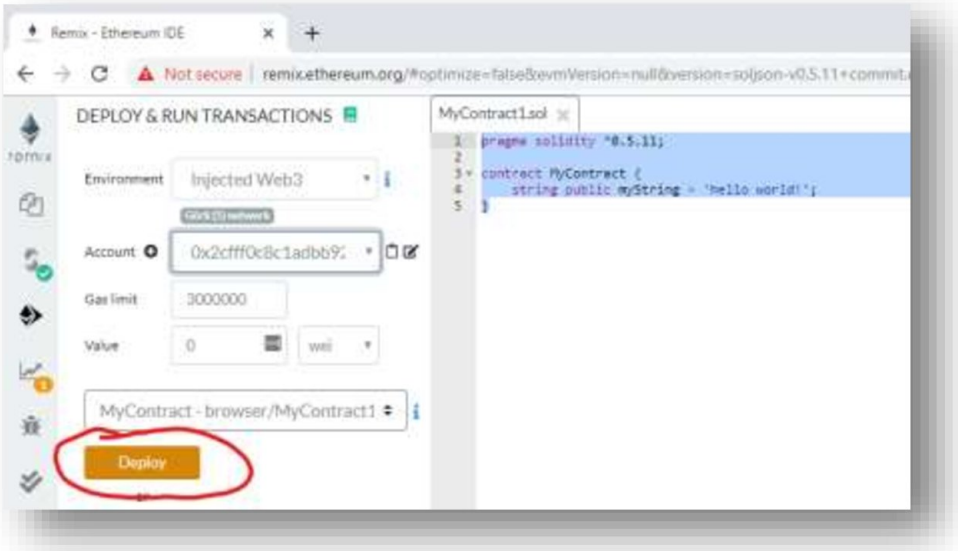
Select the right method to deploy it on the Blockchain



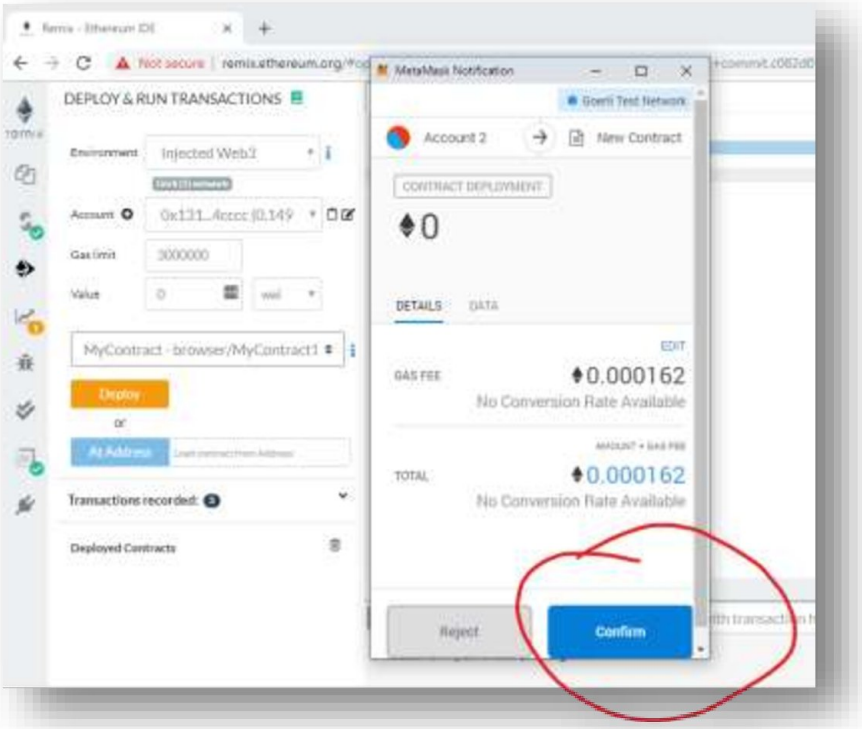
Connect MetaMask to Remix



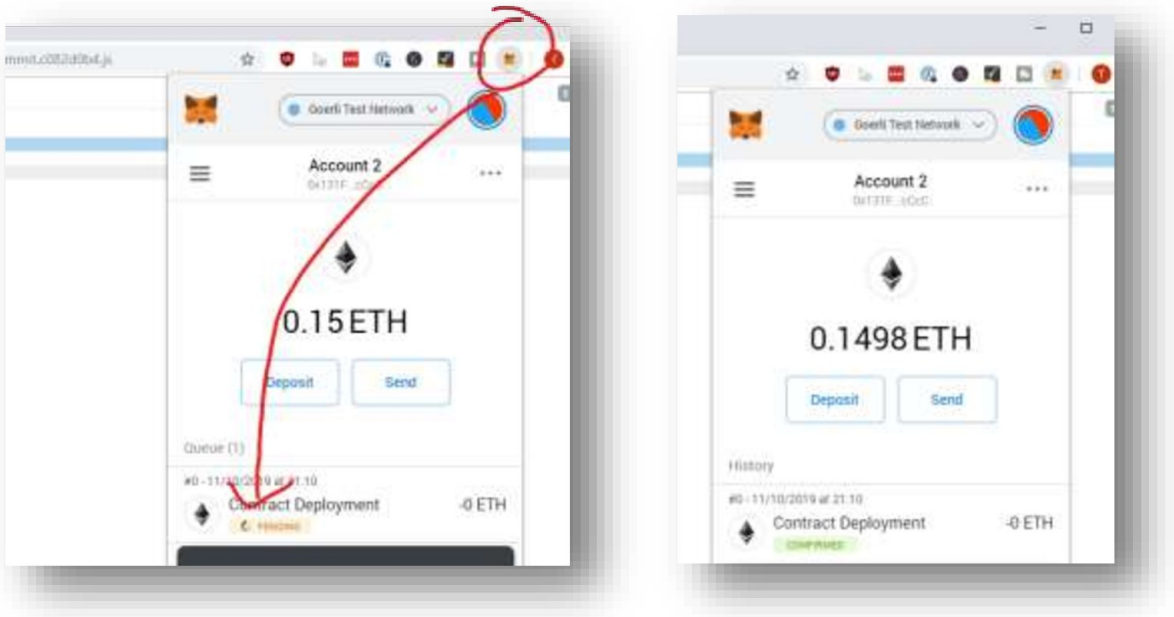
Deploy the Smart Contract:



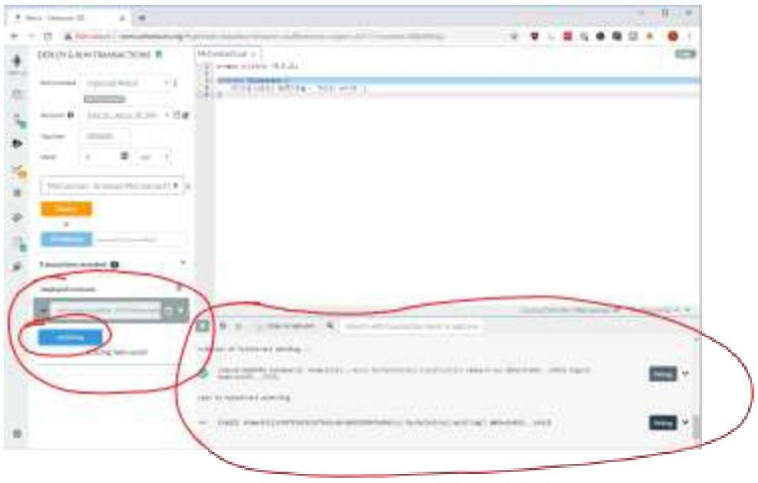
Confirm the Transaction:



Wait until the Transaction comes up as "Confirmed":



Interact with your new Smart Contract:



Congratulations, LAB is completed

From the Course “Ethereum Blockchain Developer – Build Projects in Solidity”

FULL COURSE:

https://www.udemy.com/course/blockchain-developer/?referralCode=E8611DF99D7E491DFD96

