SECOND SEMESTER
A.Y. 2019 - 2020

Blockchain basics
Lab #2

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Please:

1. Complete the table.

	Answer
What was goal of the lab	The goal of the lab work is to get familiar with the blockchain-based distributed computing platform Ethereum and learn the basic principles of the system.
What did you do at the lab – results	First of all, I downloaded the VM and Ethereum placed image. Then Run the 'start.sh' file to start the script. And then run the 'start the browser' file. So I created 2 account with password, then created genesis and initialized it, after that started the Ethereum node. In the second part at first I connected the 2 nodes to each other and checked it and it's details. Then created 2 more accounts. Then mined and wait probably 10 min. So after that I checked balance and it had some amount of ethers. Then send to my another account and checked transaction status. Finally I submitted project and it give me Token.
How it can be applied	First of all it was nice experience in Block-chain based system. Secondly, this experience can be useful for earn real-world ethers. I think, in the near future due to high popularity of block-chain and confidential principles the experience from this lab work will help to understand principles of Smart-contract and get it.

2. Attach screenshot from the lab

Add Peer

Check Peer Count

Check Peer Details

Create New Accounts

List Accounts and Check Balance

Miner

Unlock Account

Send Transaction

Check Transaction Status

If you want to check the status of transactions, press the button below to query the blockchain and return the result.

For your blockchain, since the difficulty is not too high, every transaction is mined pretty quickly. You should stop the miner and then submit a transaction. After that, if you check you will find that there is a pending transaction. Start the miner to send the transaction through.

Check Transaction Status

Pending Transactions

0

Queued Transactions

0

Note: You can go to any of these above sections again in any order that you want to explore the tool.

Submit Project

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Copy Token to Clipboard