FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING
Department of Computer Engineering

1. **Course , Subject & Experiment Details**

Academic Year	2022-23	Estimated Time	02 - Hours
Course & Semester	B.E. (CMPN)- Sem VII	Subject Name & Code	BCT - (CSDC7022)
Chapter No.	04	Chapter Title	Public Blockchain

Practical No:	1
Title:	Transferring Ethers using Metamask
Date of Performance:	01/08/2022
Date of Submission:	07/08/2022
Roll No:	8953
Name of the Student:	Brendan Lucas

Evaluation:

Sr. No	Rubric	Grade
1	On time submission Or completion (2)	
2	Preparedness(2)	
3	Skill (4)	
4	Output (2)	

Signature of the Teacher:

Date:

Practical 1

Transferring Ethers using Metamask
- **Download metamask first.**
- **Go to chrome apps -> Web Store -> Metamask**

Home > Extensions > MetaMask

MetaMask

Add to Chrome

⊘ https://metamask.io   ⊚ Featured

★★★⯪★ 2,667 ⓘ | Productivity | 10,000,000+ users

Overview   Privacy practices   Reviews   Support   Related

So now Ethereum wallet is in your browser.

← → C   ⊕ MetaMask | chrome-extension://nkbihfbeogaeaoehlefnkodbefgpgknn/home.html#initialize/welcome   ↗ ☆   ★ ⋽ ▢ Ⓜ ⋮

Welcome to MetaMask

Connecting you to Ethereum and the Decentralized Web.

We're happy to see you.

Get Started

We can see Welcome to Metamask on browser connecting us to Ethereum and the decentralized web.

Lets go ahead and get started

New to MetaMask?

No, I already have a Secret Recovery Phrase

Import your existing wallet using a Secret Recovery Phrase

Import wallet

Yes, let's get set up!

This will create a new wallet and Secret Recovery Phrase

Create a Wallet

We don't have one existing wallet yet, this is our first time setting up so I am going to click Create a Wallet.

Help us improve MetaMask

MetaMask would like to gather usage data to better understand how our users interact with the extension. This data will be used to continually improve the usability and user experience of our product and the Ethereum ecosystem.

MetaMask will..

✓ Always allow you to opt-out via Settings
✓ Send anonymized click & pageview events

✗ **Never** collect keys, addresses, transactions, balances, hashes, or any personal information
✗ **Never** collect your full IP address
✗ **Never** sell data for profit. Ever!

No Thanks   I Agree

This data is aggregated and is therefore anonymous for the purposes of General Data Protection Regulation (EU) 2016/679. For more information in relation to our privacy practices, please see our Privacy Policy here.

Click on I Agree.

Asking you to set a password to protect your account. Click on Create.

Watch this video containing information about Secret Recovery Phrase, how to save secret recovery phrase. Click on Next

Browser 1 (top)

← → C 🦊 MetaMask | chrome-extension://nkbihfbeogaeaoehlefnkodbefgpgknn/home.html#initialize/seed-...
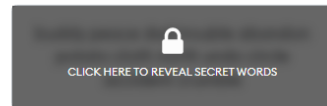
METAMASK
< Back

Secret Recovery Phrase

Your Secret Recovery Phrase makes it easy to back up and restore your account.

WARNING: Never disclose your Secret Recovery Phrase. Anyone with this phrase can take your Ether forever.

🔒
CLICK HERE TO REVEAL SECRET WORDS

Remind me later   Next

Tips:

Store this phrase in a password manager like 1Password.

Write this phrase on a piece of paper and store in a secure location. If you want even more security, write it down on multiple pieces of paper and store each in 2 - 3 different locations.

Memorize this phrase.

Download this Secret Recovery Phrase and keep it stored safely on an external encrypted hard drive or storage medium.

Browser 2 (bottom)

← → C 🦊 MetaMask | chrome-extension://nkbihfbeogaeaoehlefnkodbefgpgknn/home.html#

METAMASK   ● Ethereum Mainnet ⌄

Account 1
0xA36...a11a 📋   ⋮

⬥
0 ETH
$0.00 USD

⬇   ↗   ⇄
Buy   Send   Swap

Assets   Activity

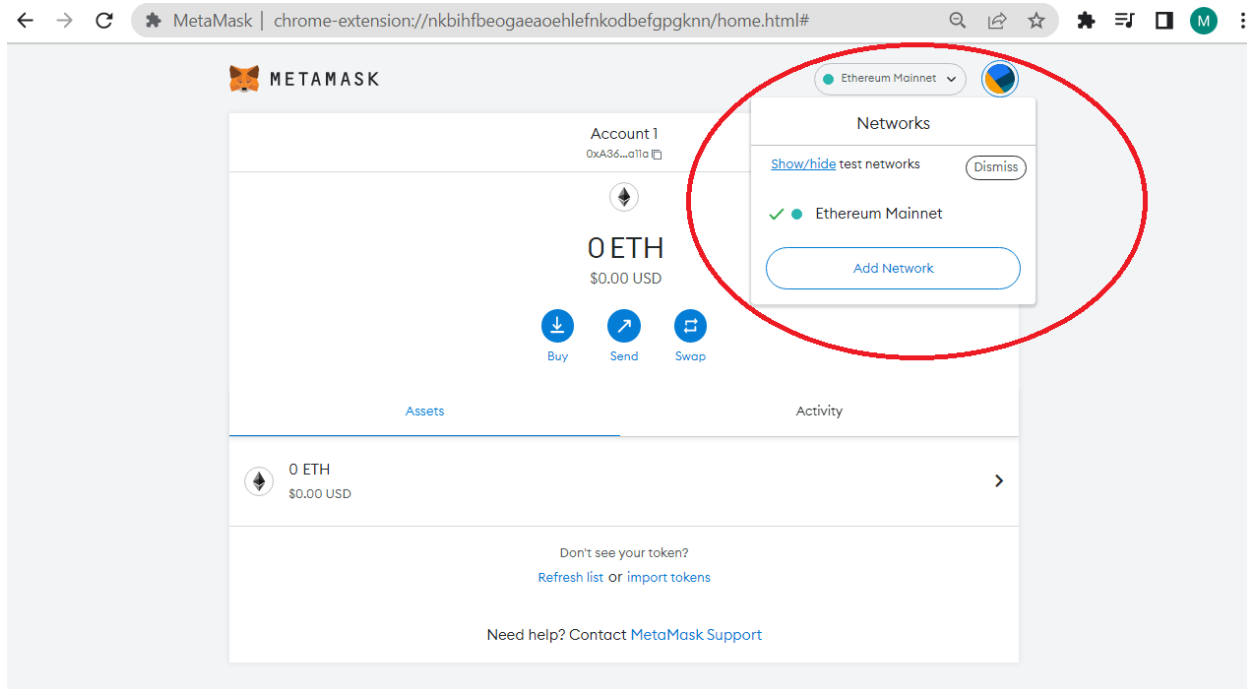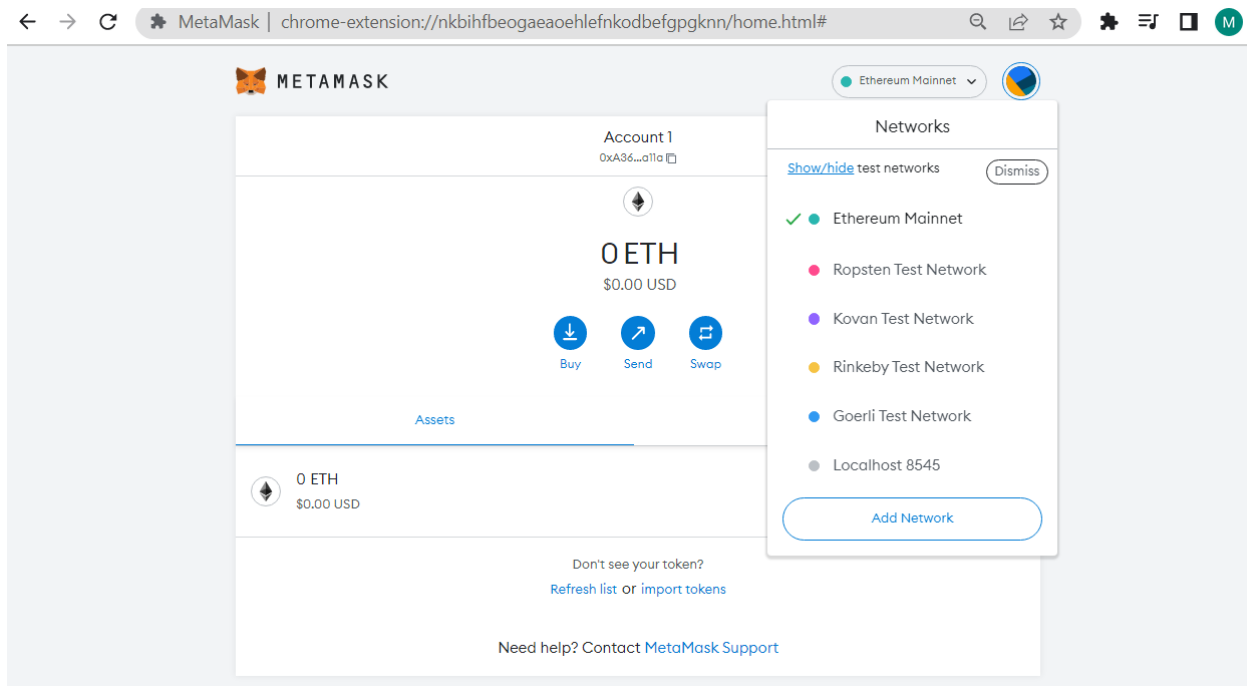⬥ 0 ETH   >
   $0.00 USD

Don't see your token?
Refresh list or import tokens

Need help? Contact MetaMask Support

If you click on Ethereum Mainnet, we can see that we are connected to the main Ethereum network. Ethereum Mainnet is like the network, it's the actual Ethereum network where our ether is worth real money.
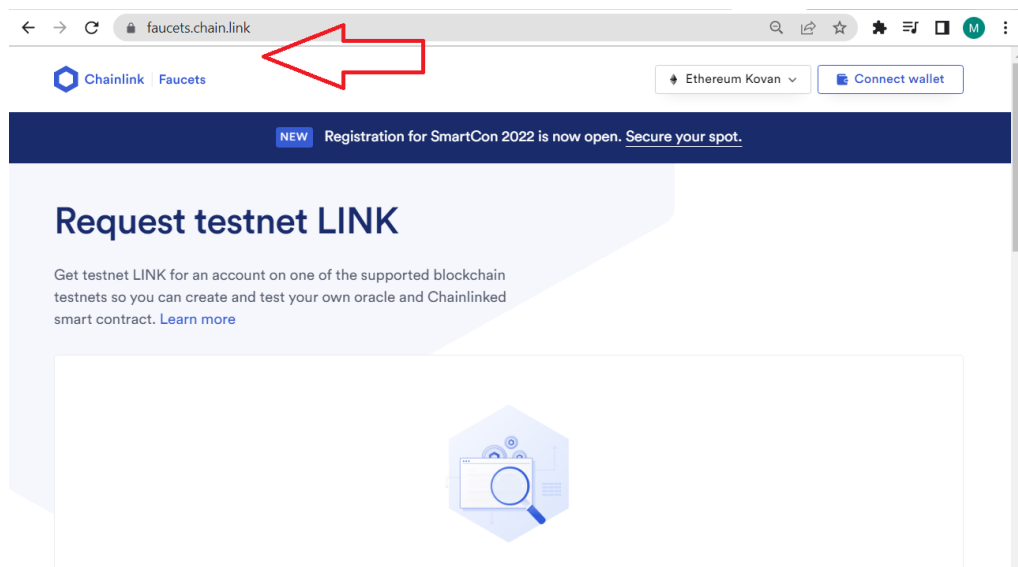
Now we need to get some ether in our account to send transactions, deploy smart contracts and so on. Write now it's showing 0 ETH.

Most faucets require social authentication (e.g. Twitter post or login confirming you are a real human) or place you in a queue to wait for a testnet token through the faucet.
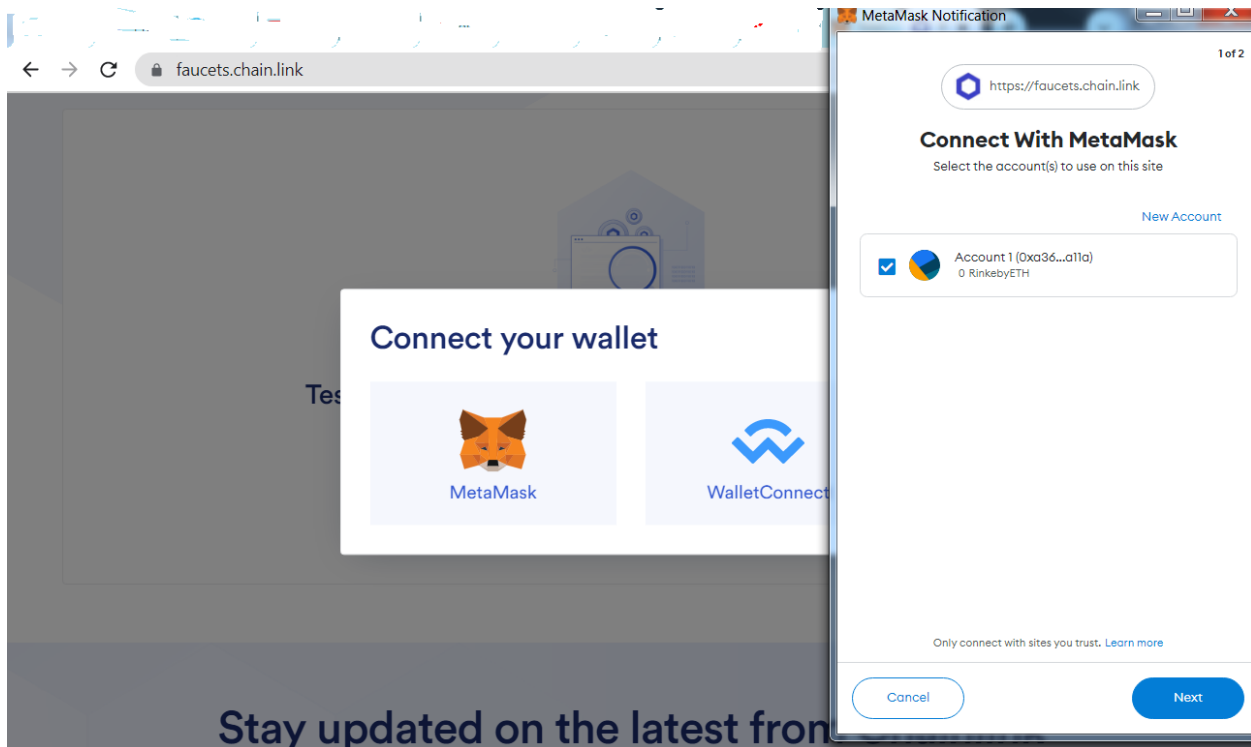
Go to Google and type rinkeby faucet and choose

 Faucets | Chainlink

https://faucets.chain.link

Click on Connect Wallet and choose Metamask.

MetaMask Notification

https://faucets.chain.link

Connect With MetaMask

Select the account(s) to use on this site

New Account

Account 1 (0xa36...a11a)
0 RinkebyETH

Only connect with sites you trust. Learn more

Cancel   Next

faucets.chain.link

Connect your wallet

Tes

MetaMask   WalletConnect

Stay updated on the latest fron

Request testnet LINK

Get testnet LINK for an account on one of the supported blockchain testnets so you can create and test your own oracle and Chainlinked smart contract. Learn more

ⓘ Your wallet is connected to Ethereum Rinkeby, so you are requesting Ethereum Rinkeby LINK/ETH. If you need testnet tokens for a different network, switch the network in your wallet.

Wallet address

0xa367b862f8dabd65b2fdea1cf8540c351523a11a
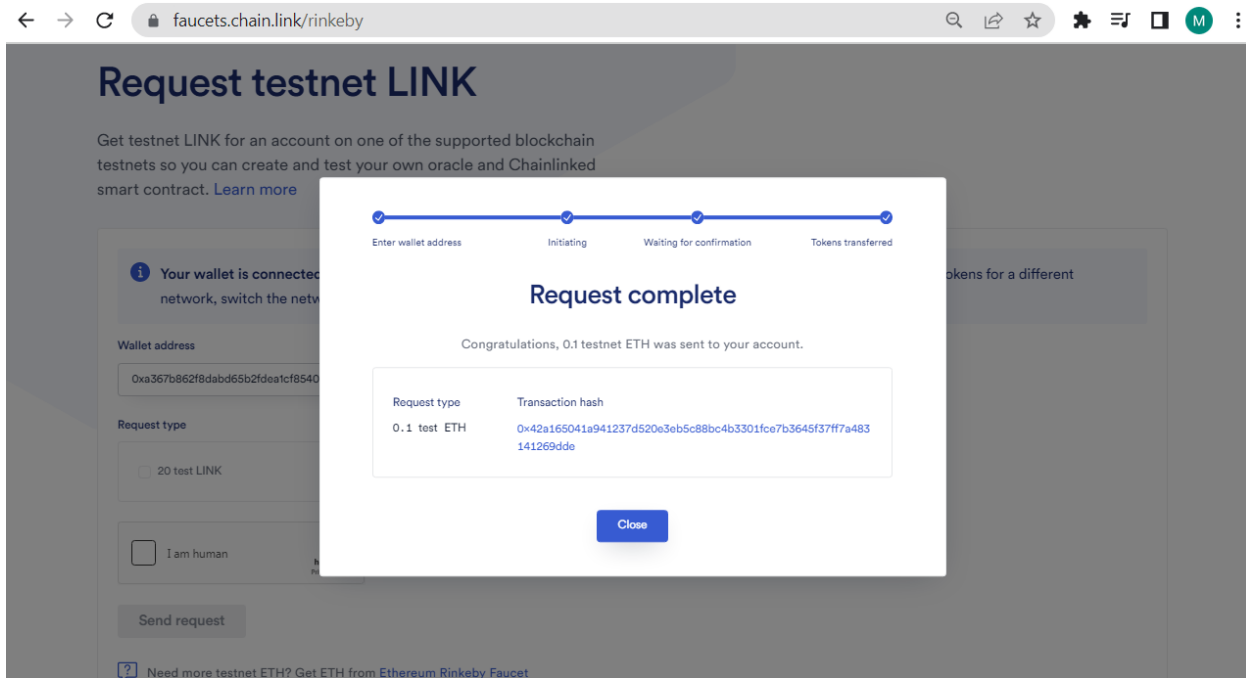
Request type

☐ 20 test LINK   ☑ 0.1 test ETH

☐ I am human   hCaptcha
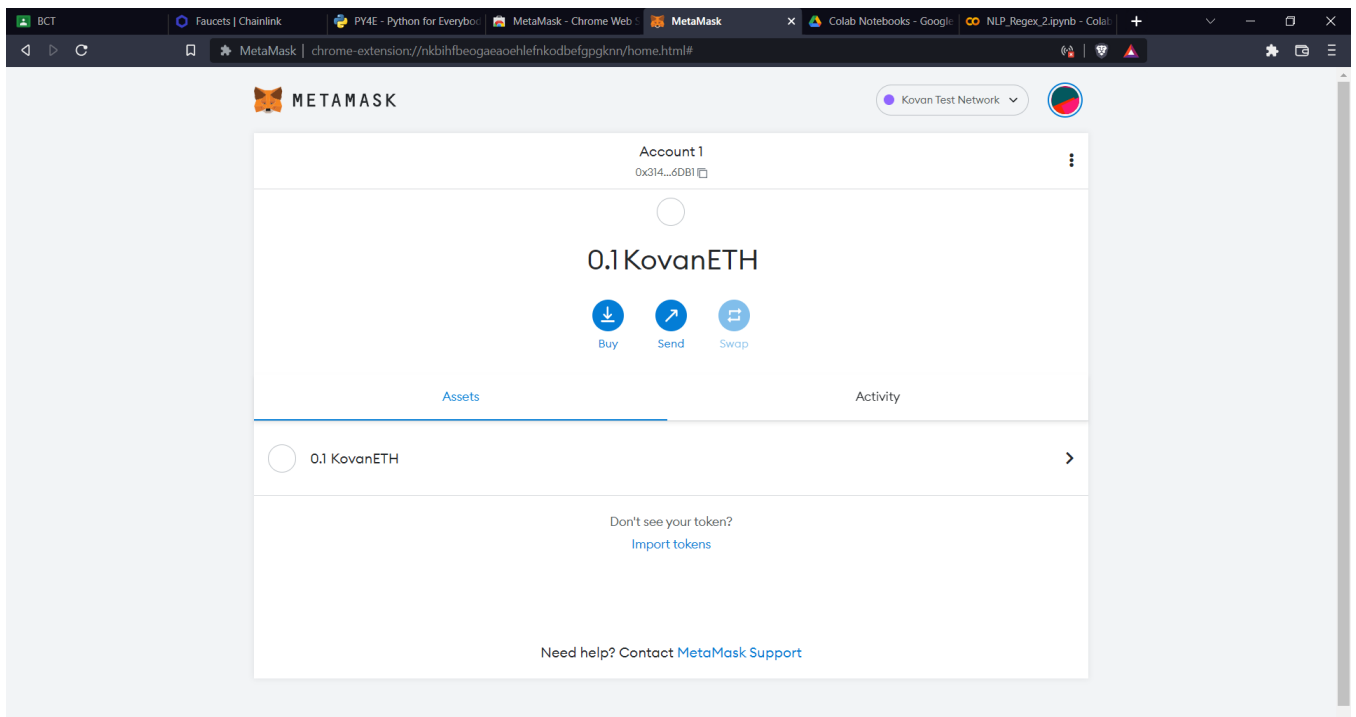   Privacy · Terms

Send request

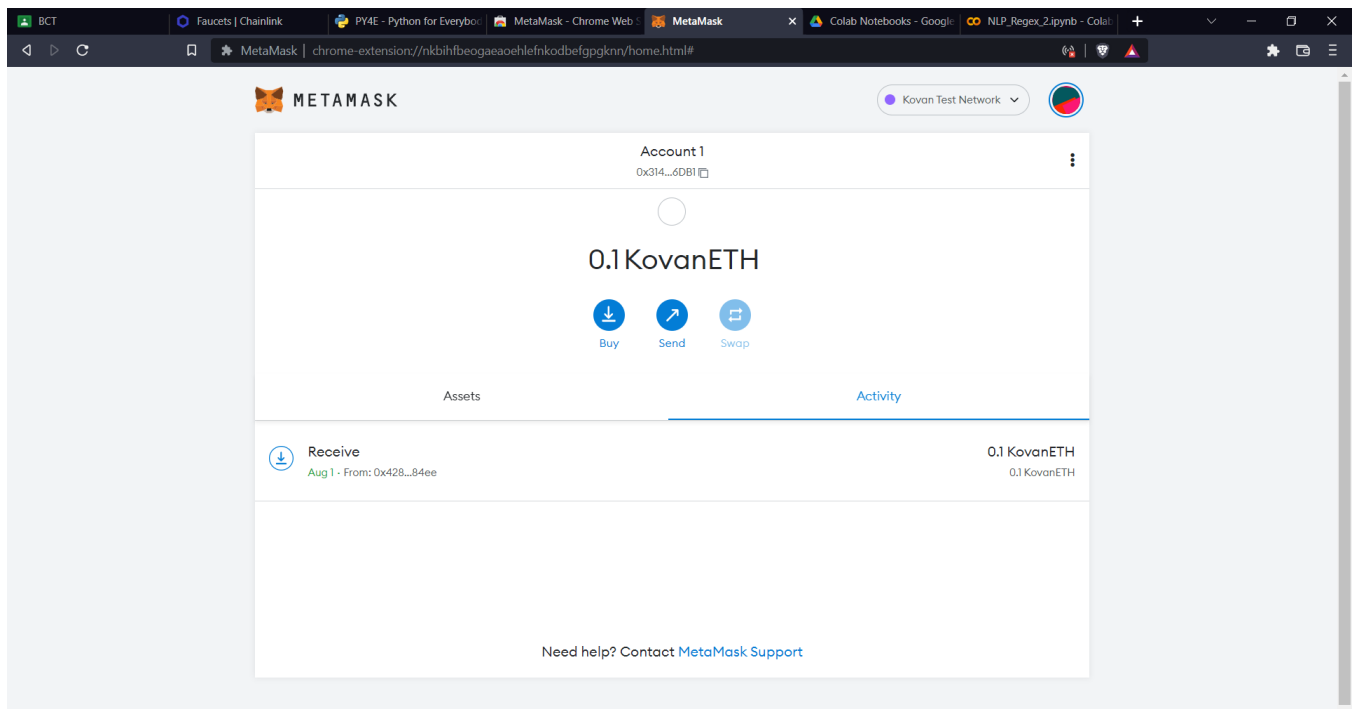⟨?⟩ Need more testnet ETH? Get ETH from Ethereum Rinkeby Faucet

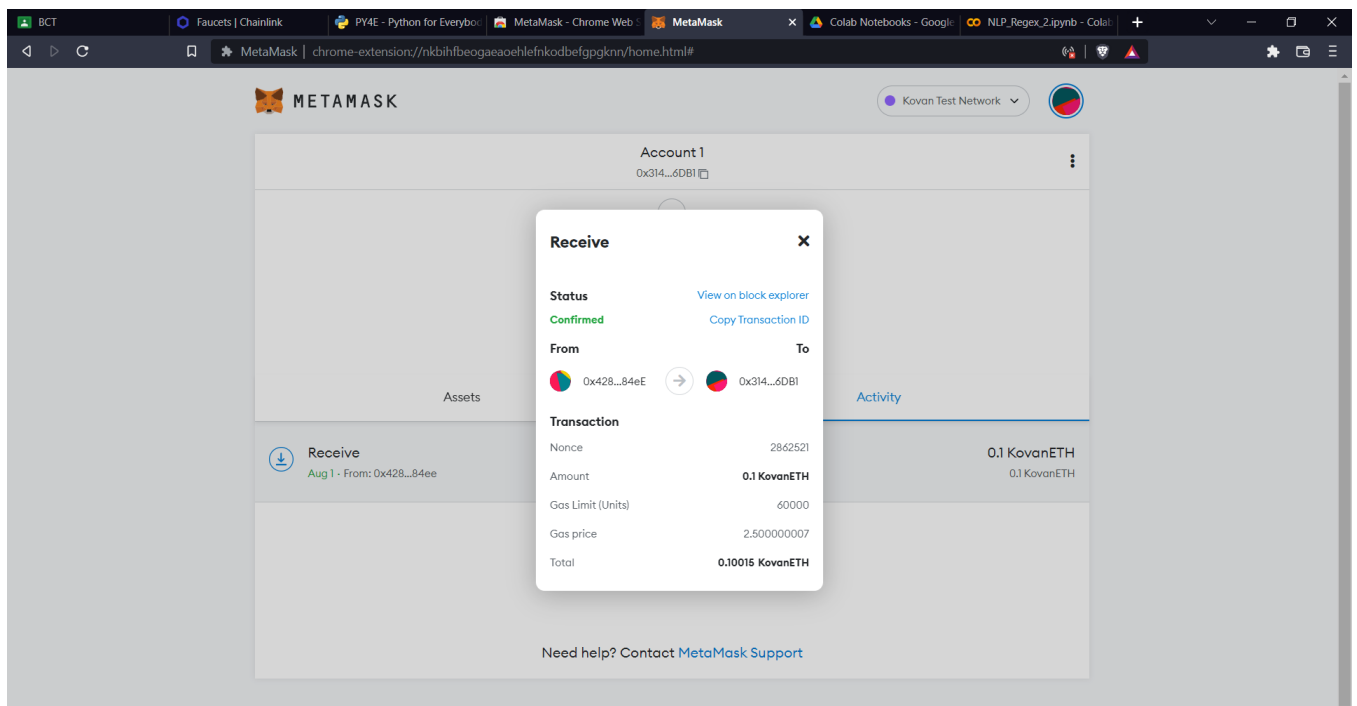Uncheck 20 test Link and click on Send request. It will take 10-15 seconds for Token transferred.

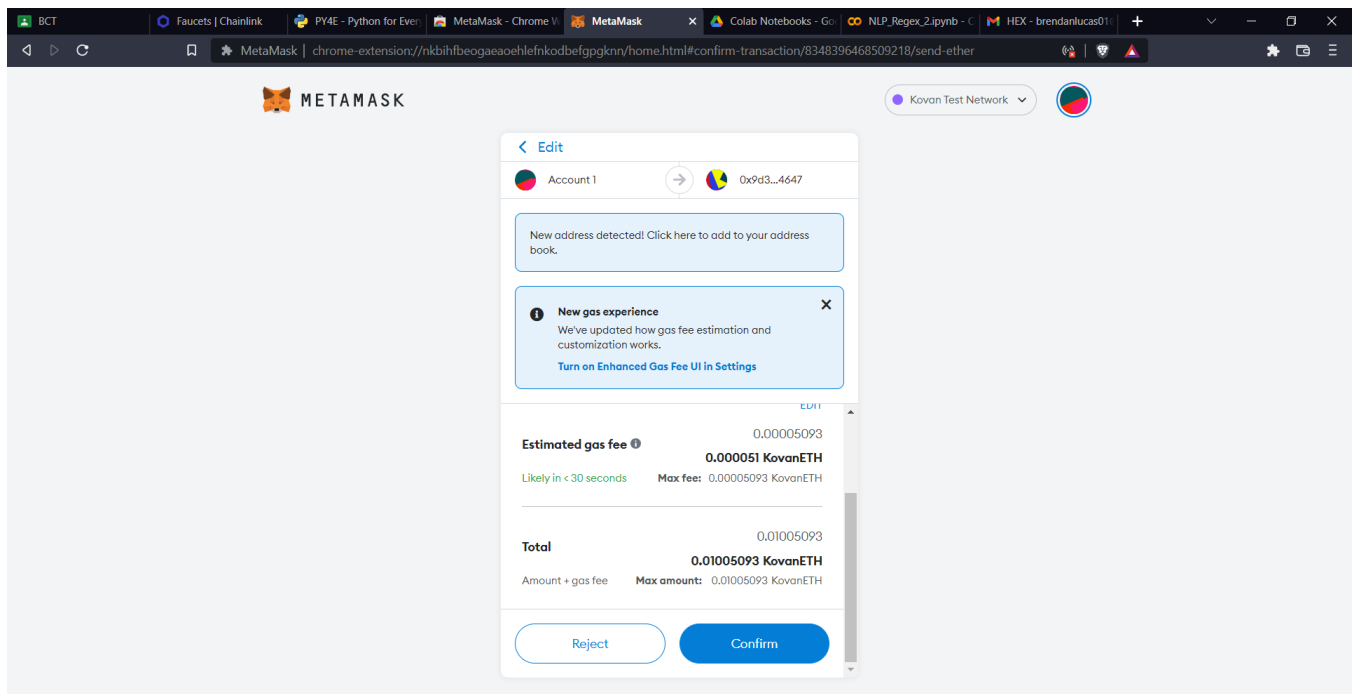Now will go to Metamask account and we can see, I have 0.1 ETH in my account.

Now we will discuss how to send ethers?

Click on Send button.

Put sender public address and the amount of ether to transfer and click on Next.

It will show gas fee and click on Confirm.