**Install and Setup Metamask, Ganache, Nodejs, Visual Studio Build Tools, Truffle and Visual Studio Code in Windows Platform**

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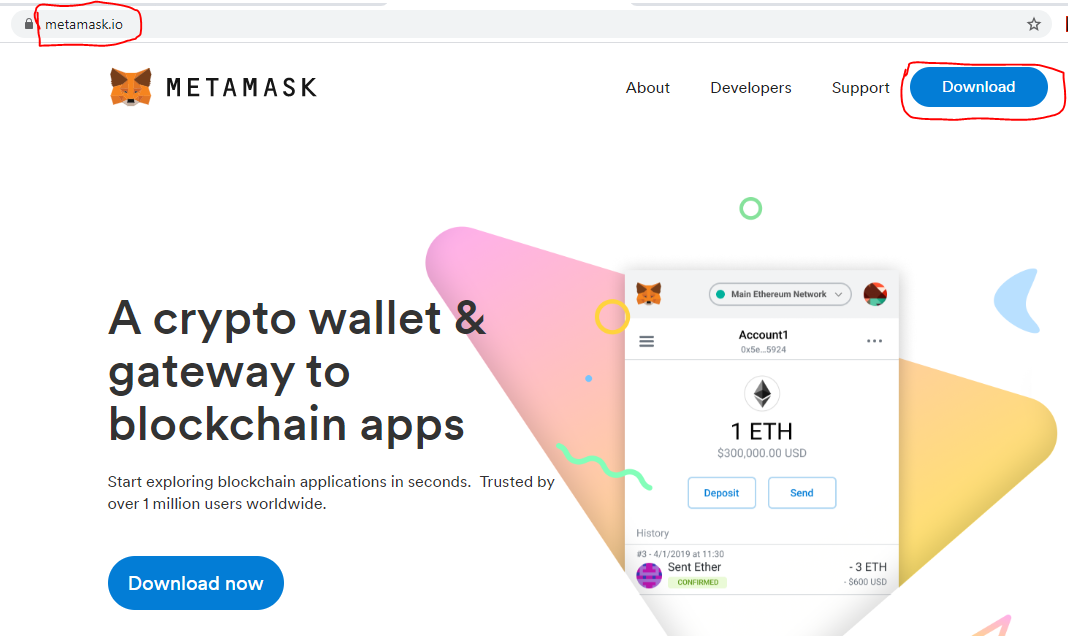
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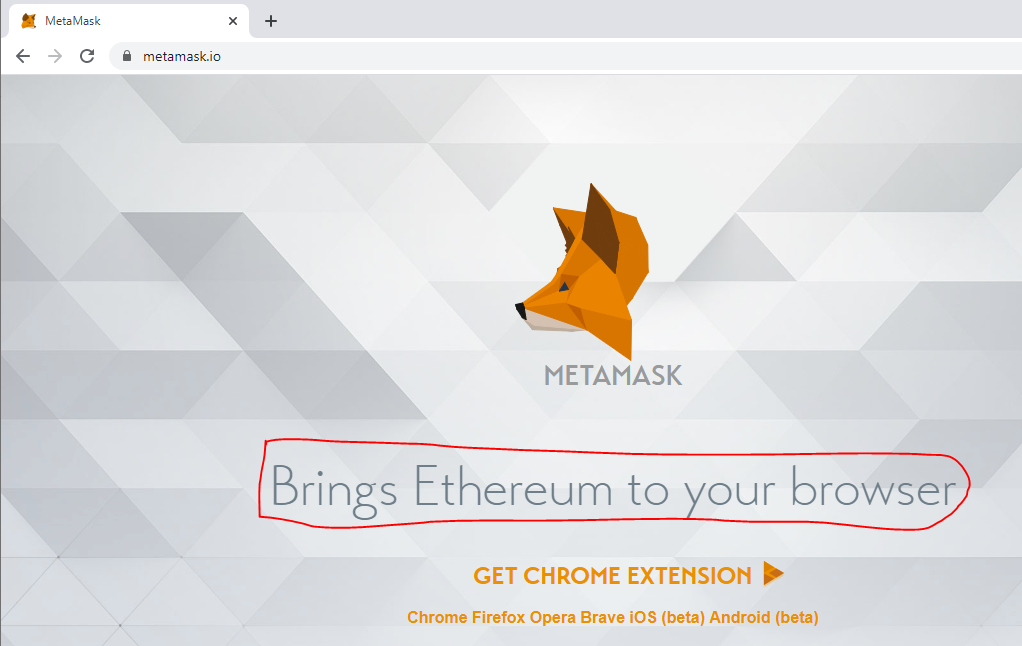
# **Download and install the “Metamask” Wallet as the extension of Chrome Browser**

## Download the Metamask from the relevant website

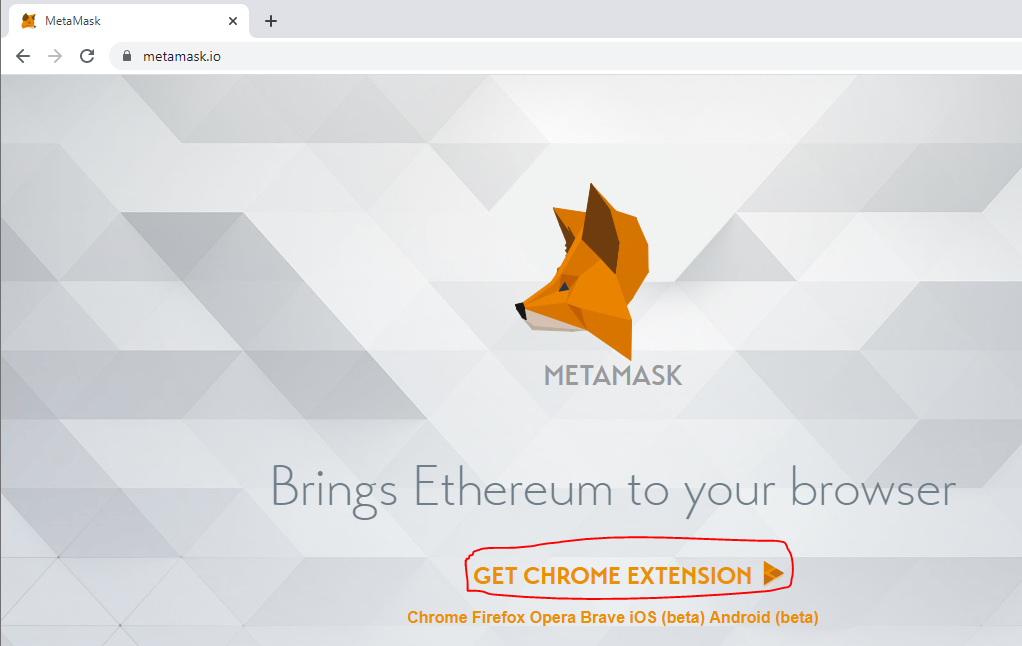
<https://metamask.io/>



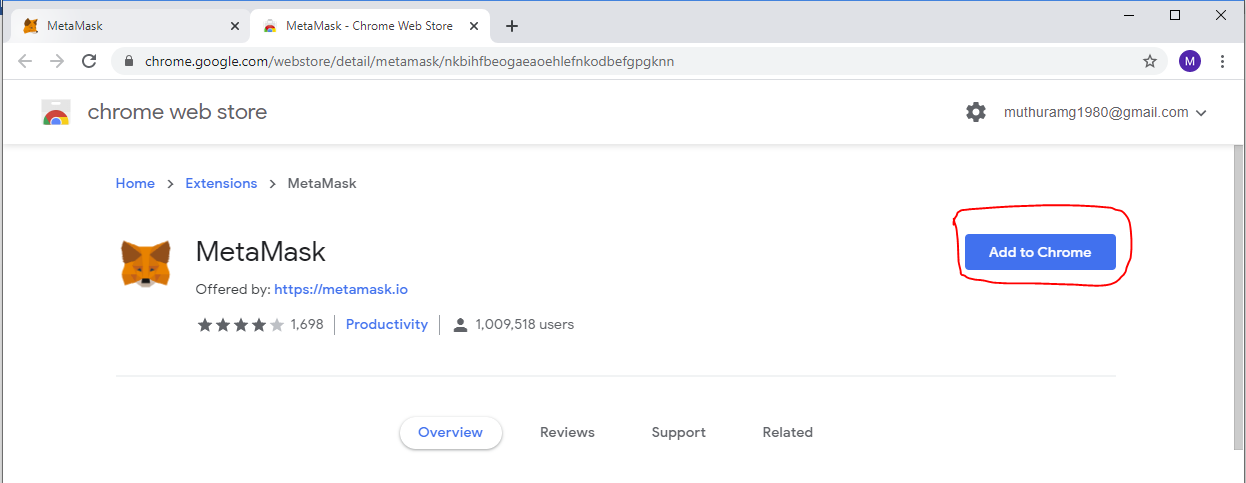
## Install the Metamask as an extension of Chrome Browser



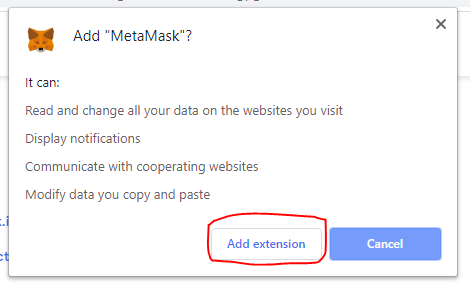
## Click on “GET CHROME EXTENSION”



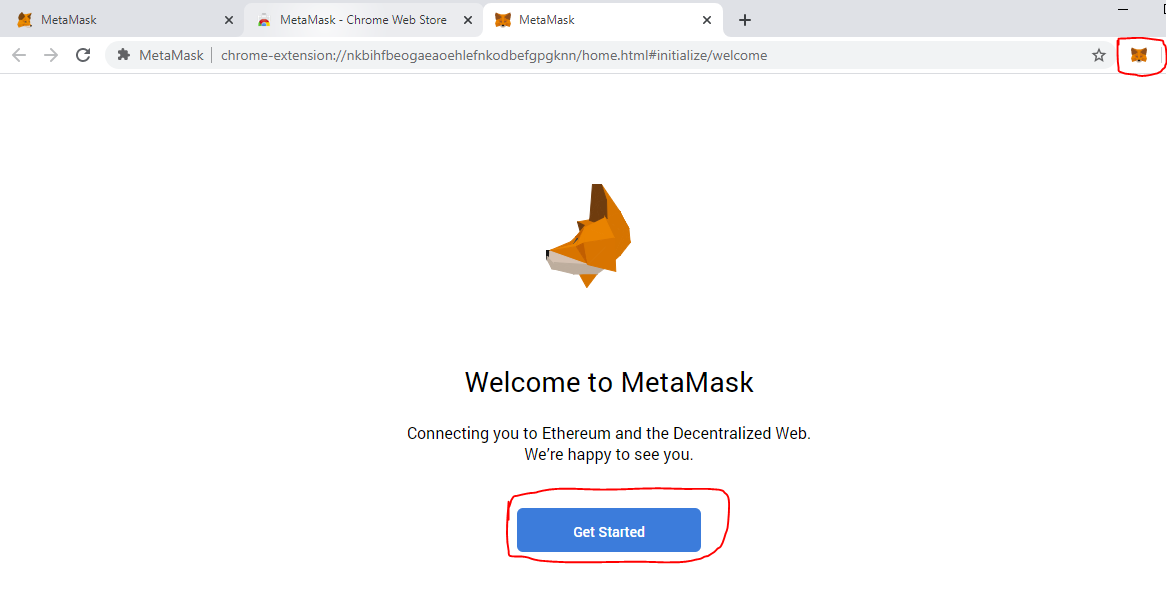
## Click on “Add to Chrome”



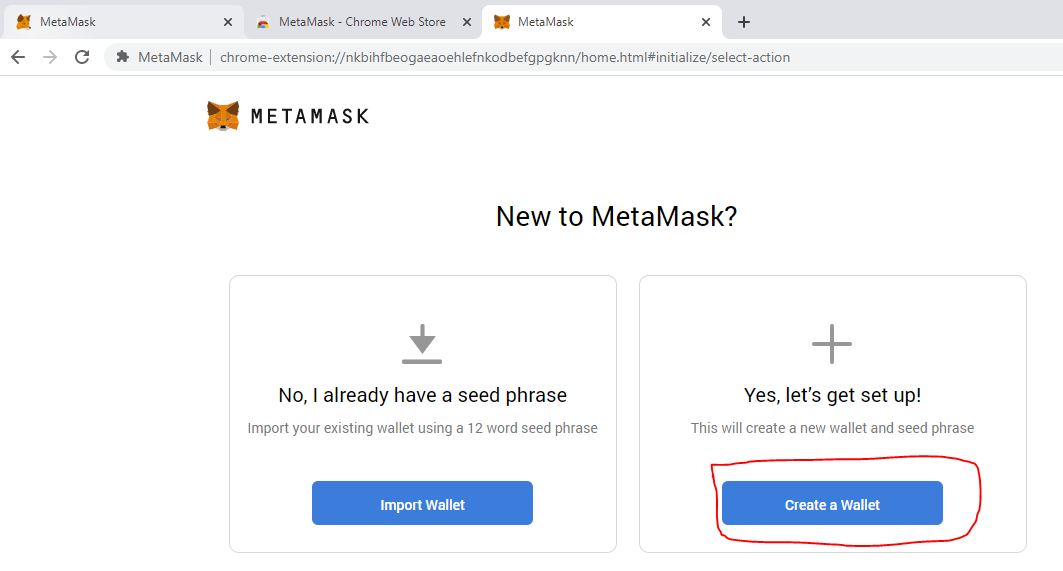
## Click on “Add extension”



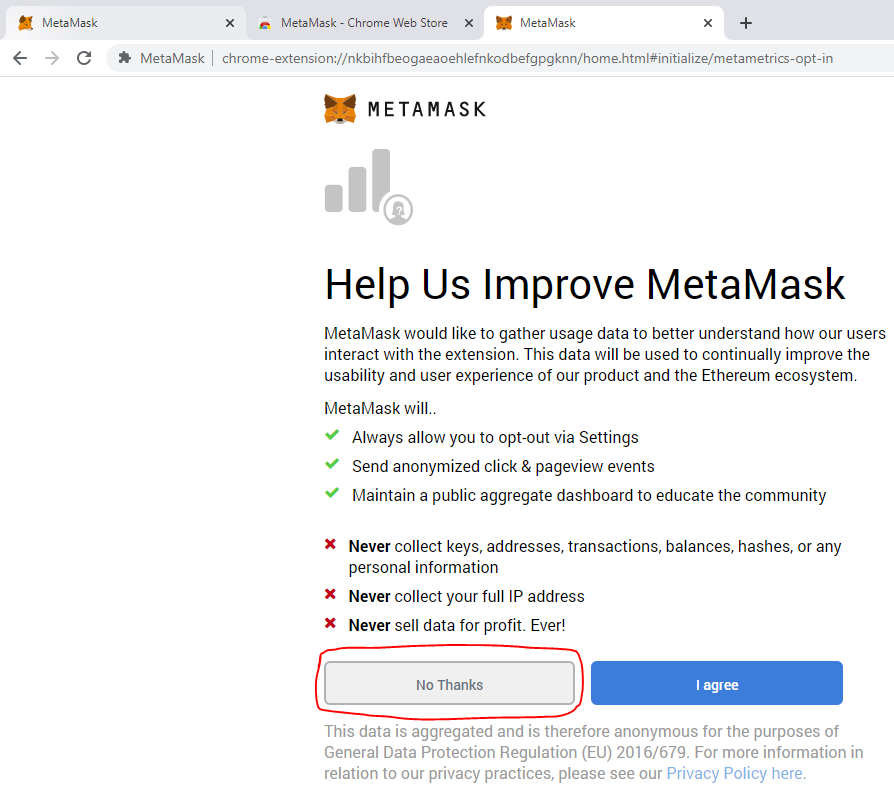
## Click on “Get Started”



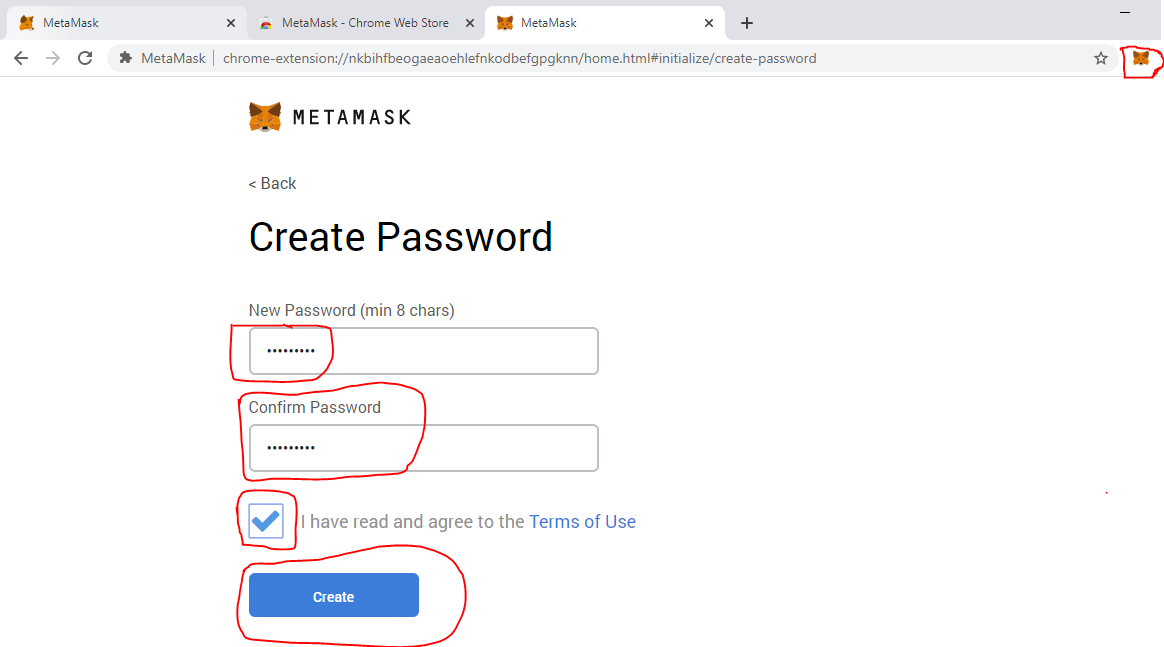
## Click on “Create a Wallet”



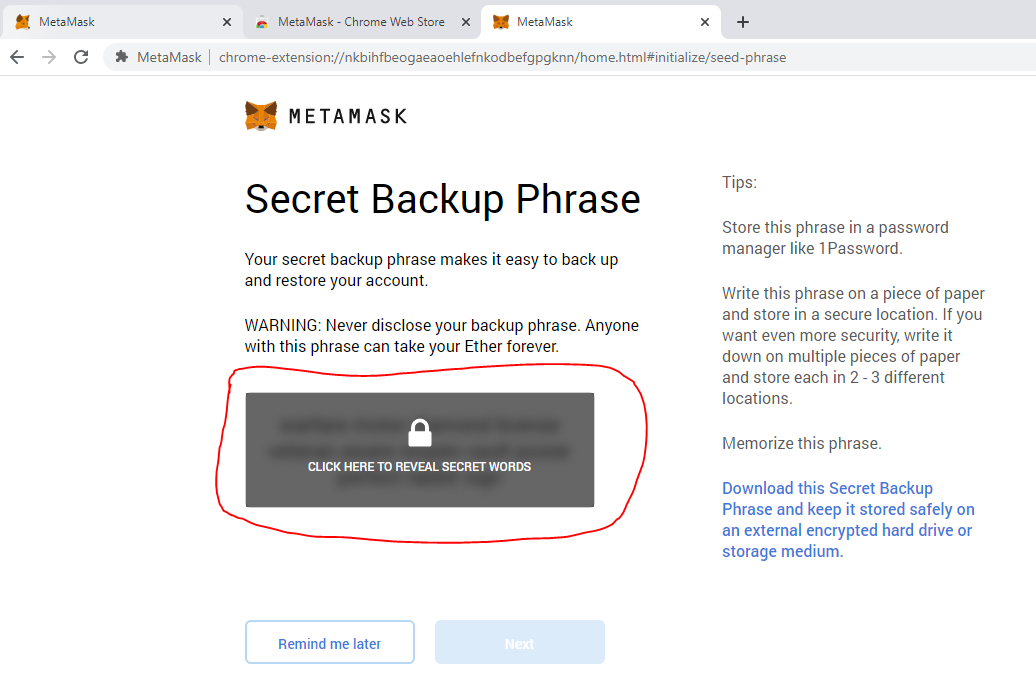
## Click on “No Thanks”

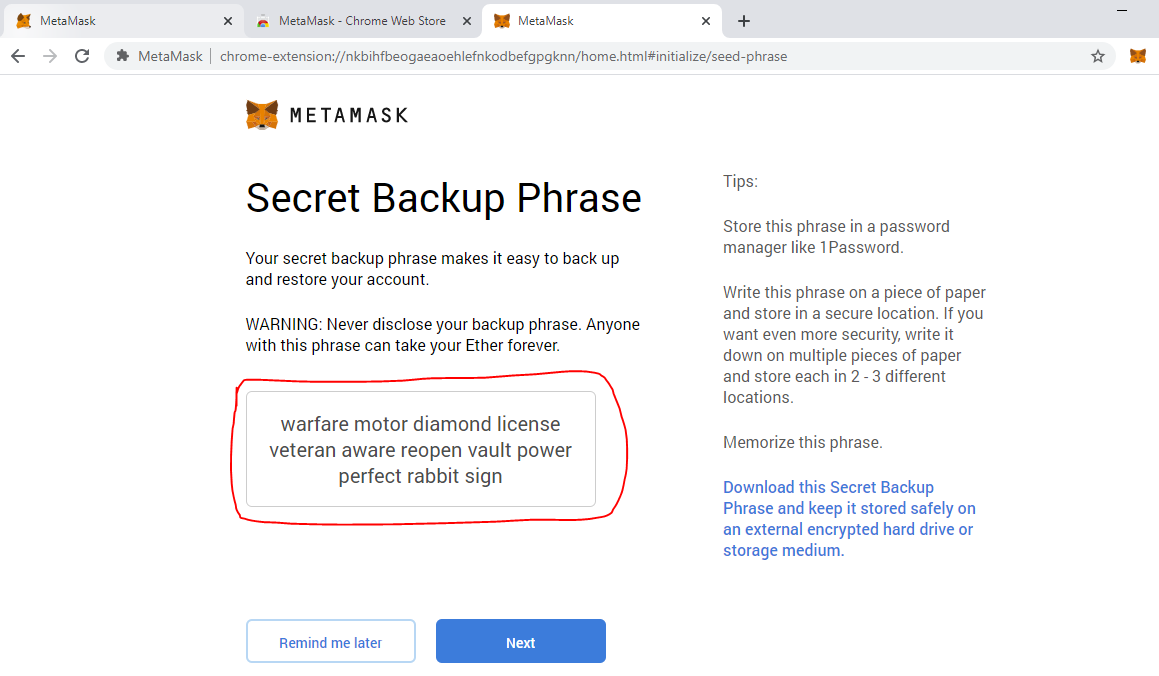


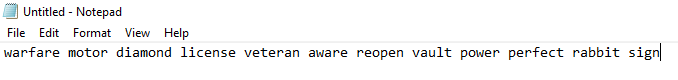
## Enter the Password and store it safely for future use



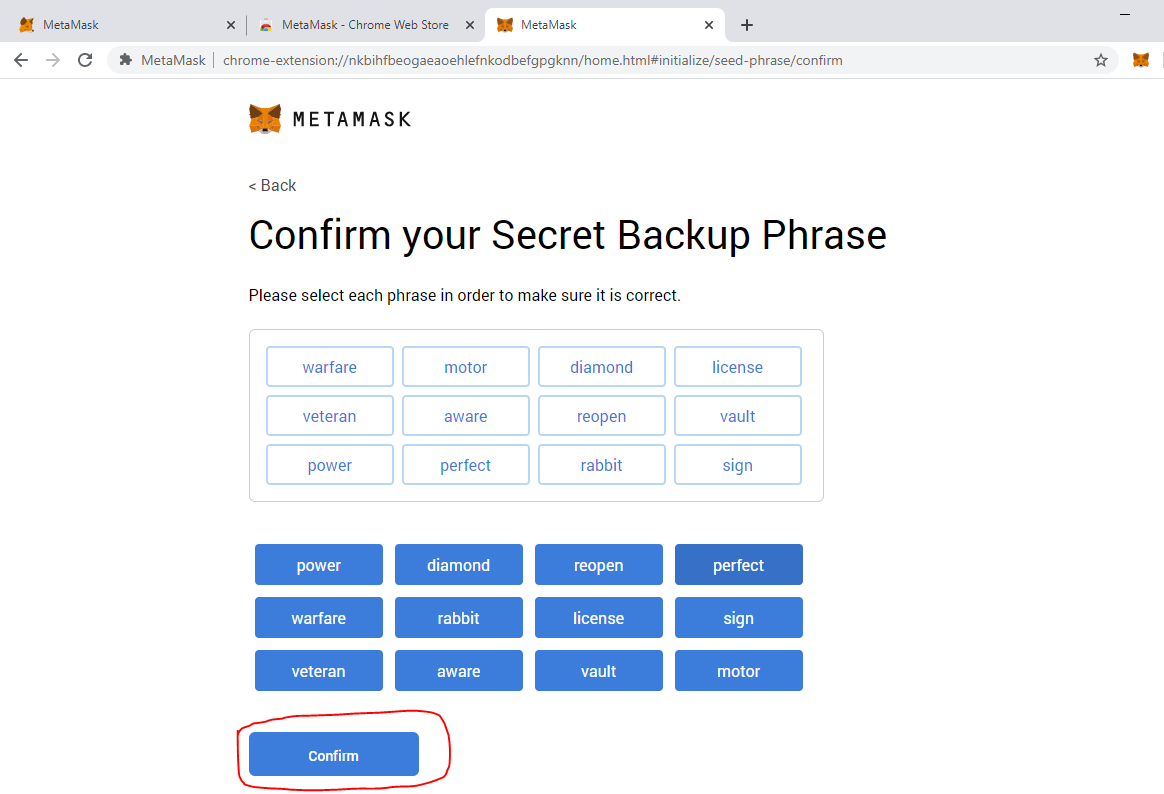
## Copy the “Secret Backup Phrase” and store it safely in a file



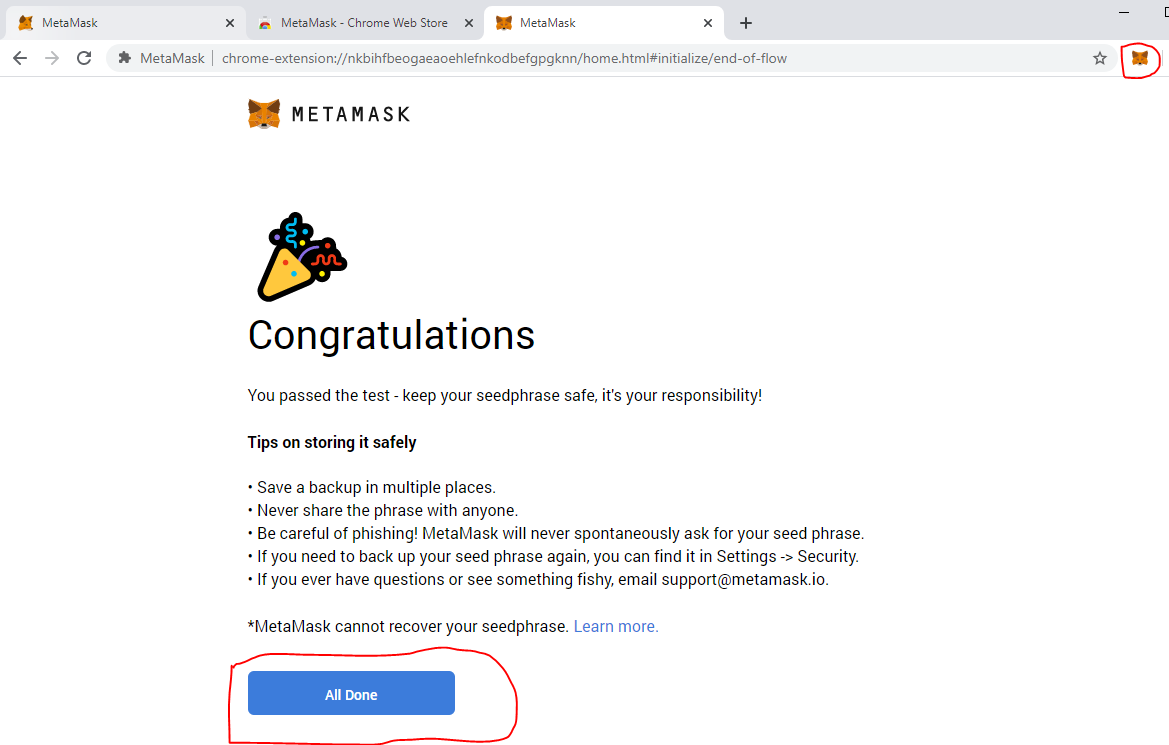




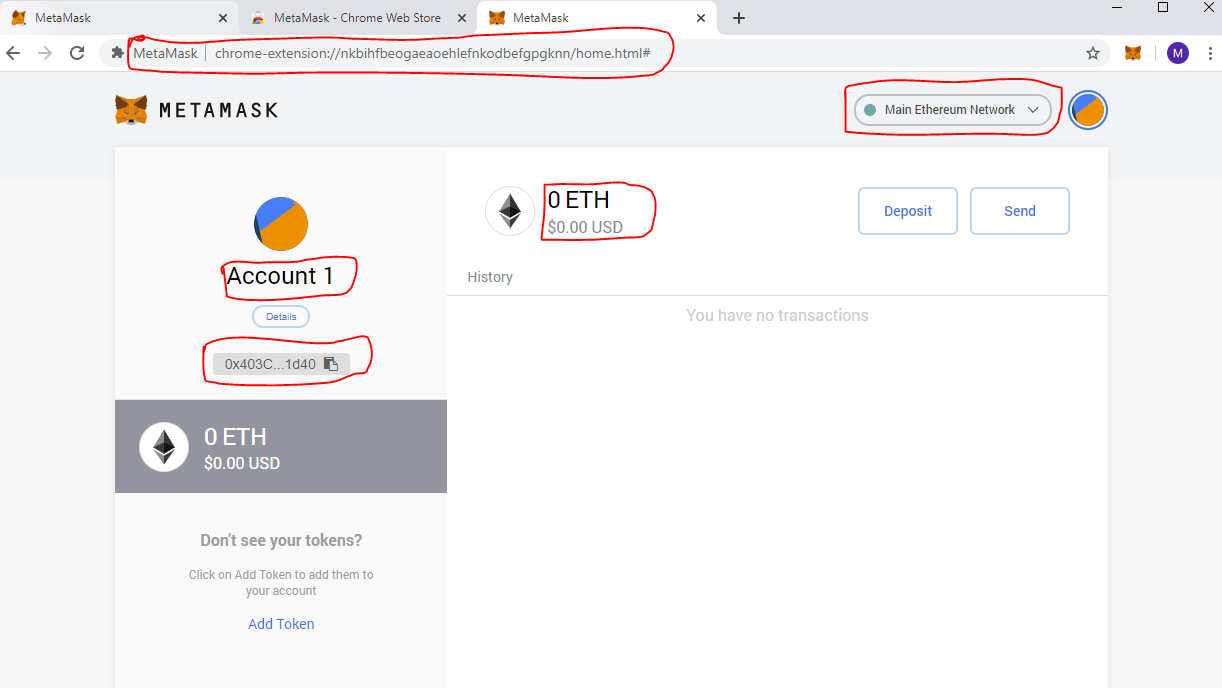
## Confirm the “Secret Backup Phrase”



## Click on “All Done”



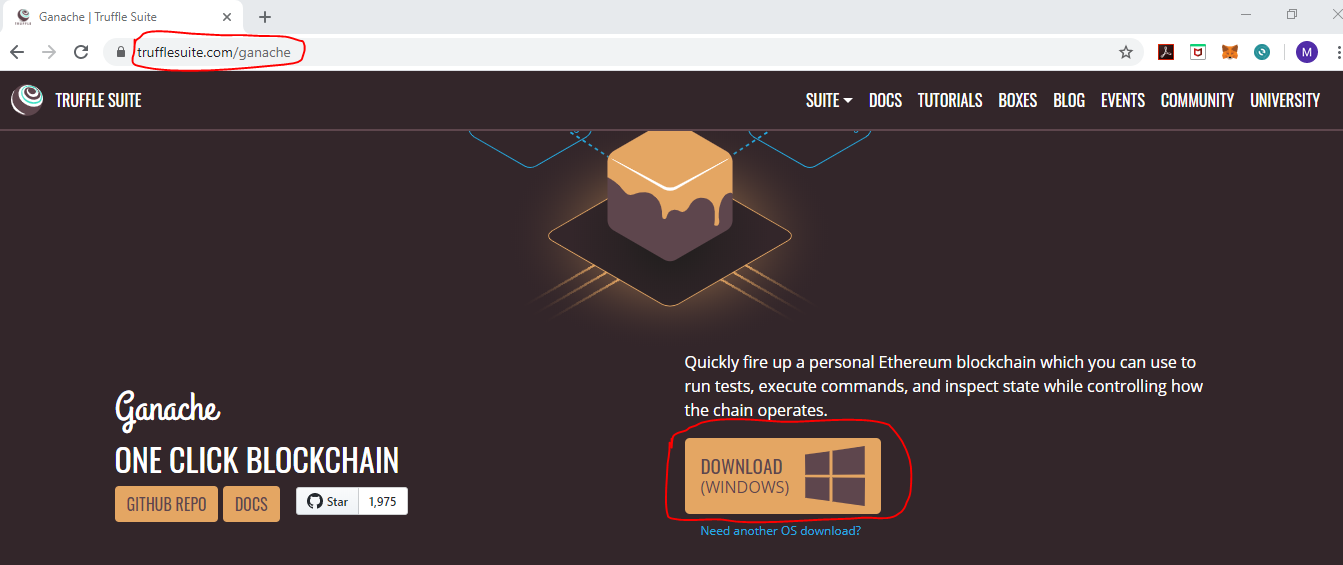
## Select the “Main Ethereum Network” option and verify the display of “Account 1” with “0 ETH”



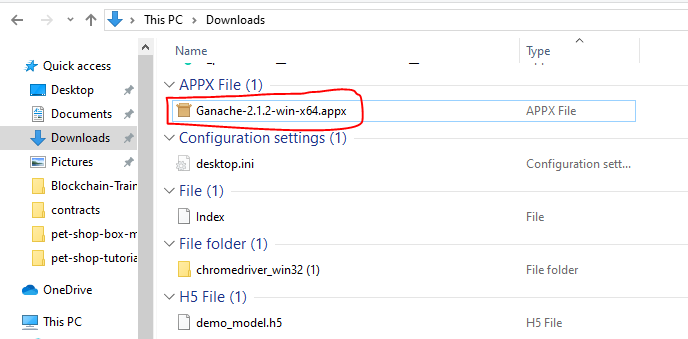
# **Download and install the latest version of “Ganache Ethereum Test Blockchain”**

## Open the below “ganache” website and click on “DOWNLOAD (WINDOWS)” button

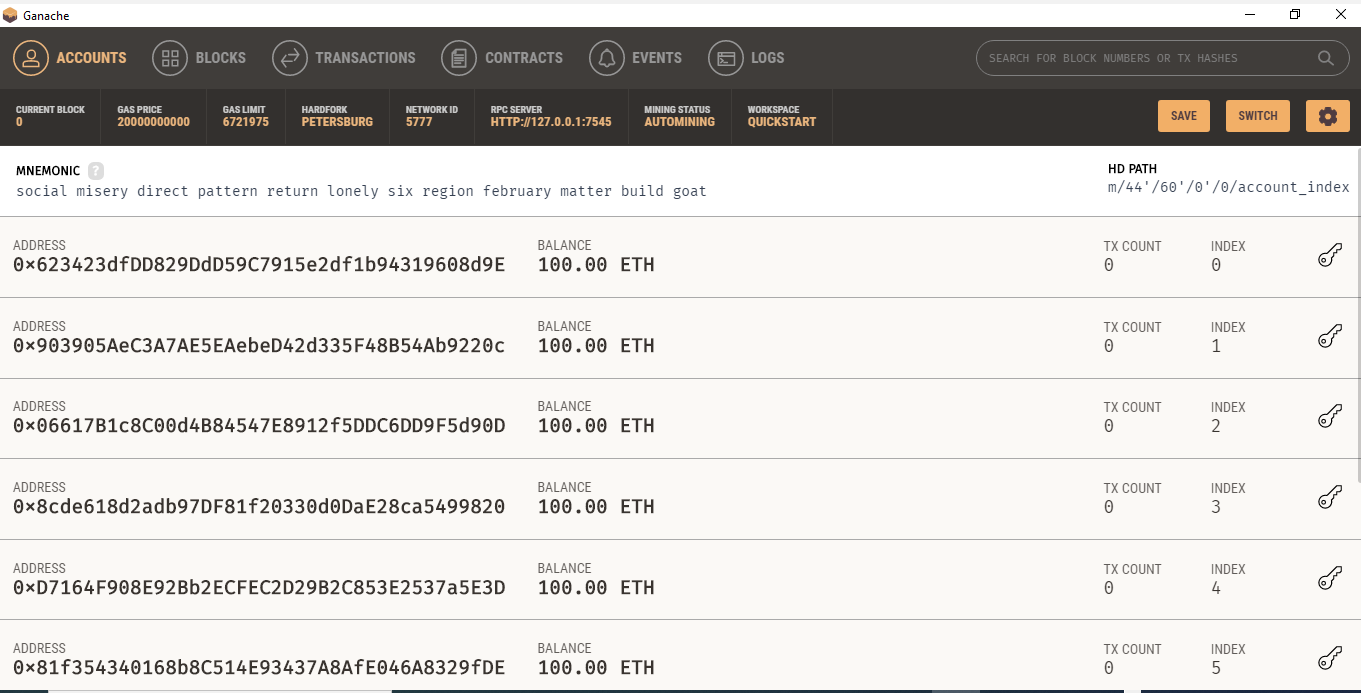
<https://www.trufflesuite.com/ganache>



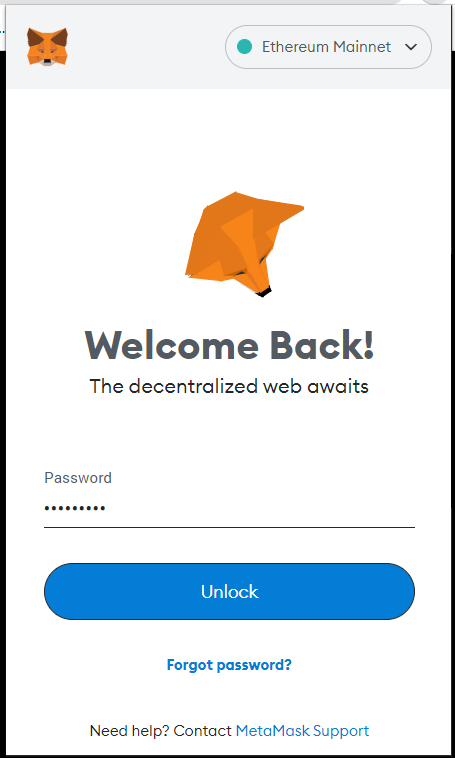
## Install the Ganache Test Blockchain using down loaded .appx file

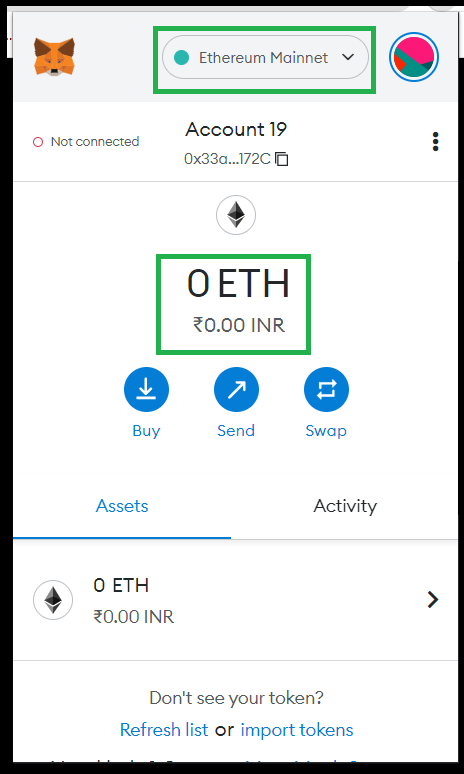


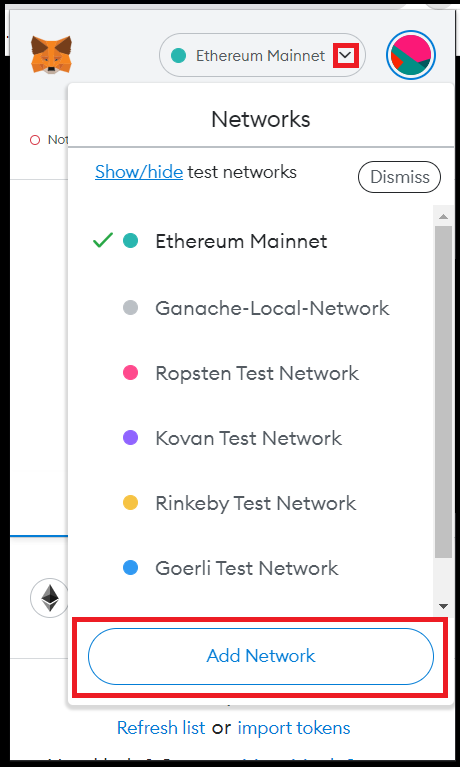
## Launch the Ganache

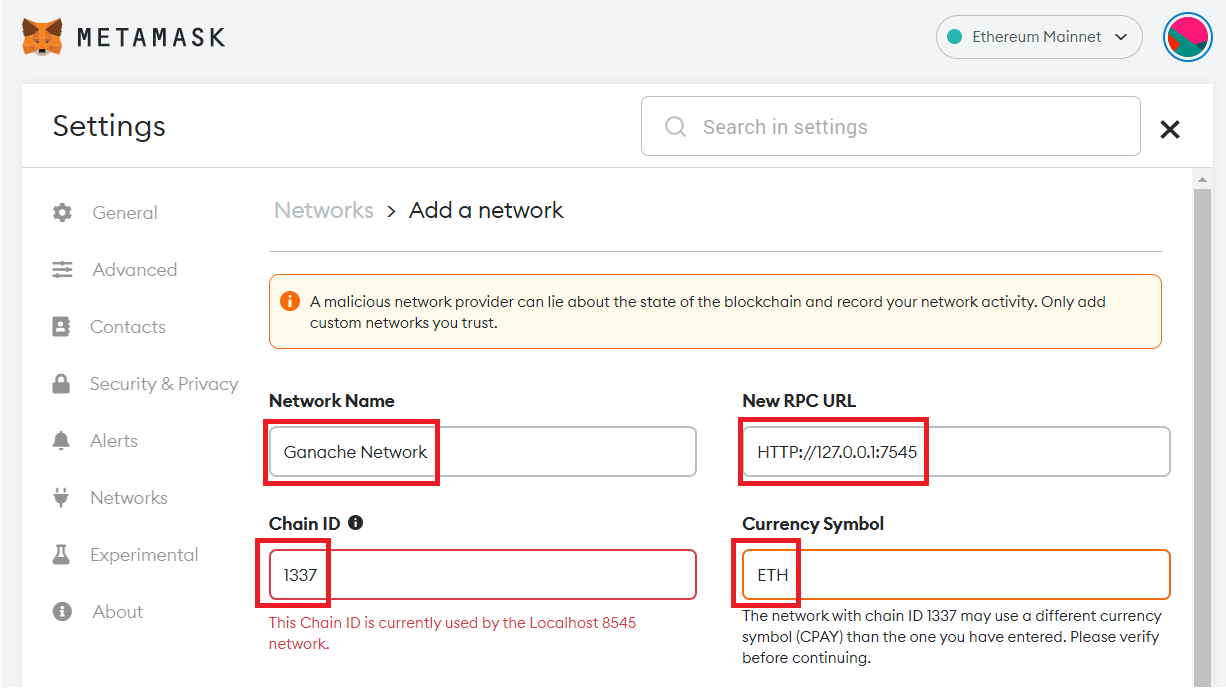


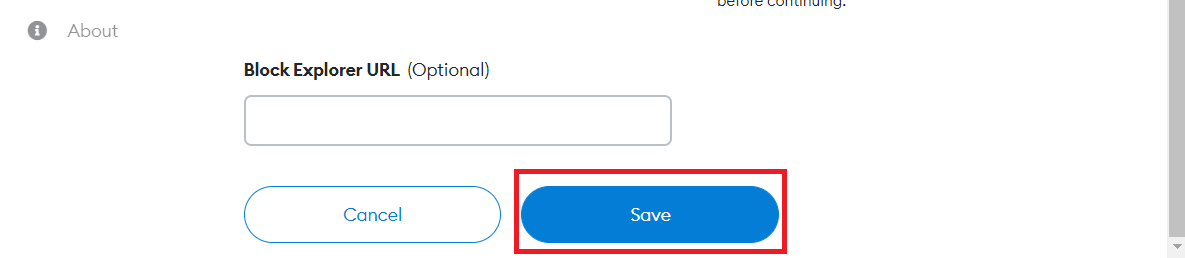
# **Create a network for “Ganache Test Blockchain” in the Metamask**

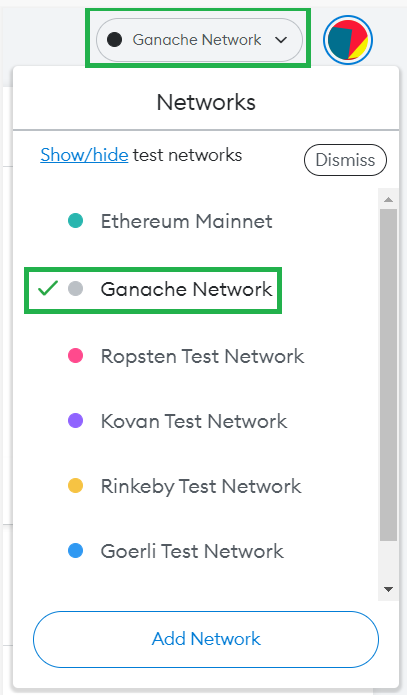


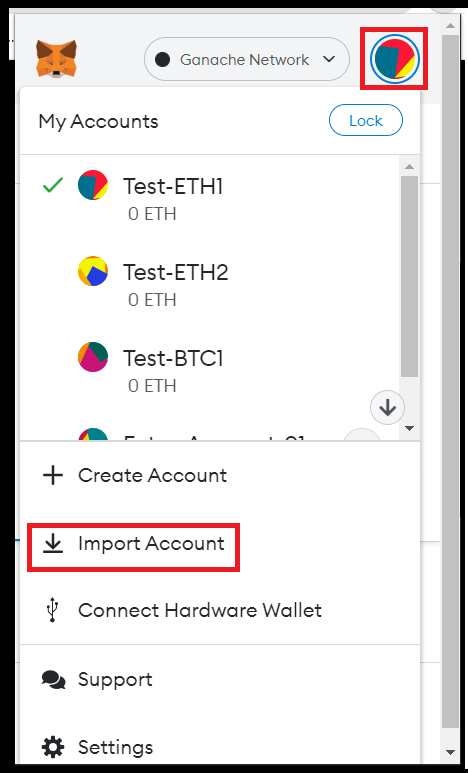


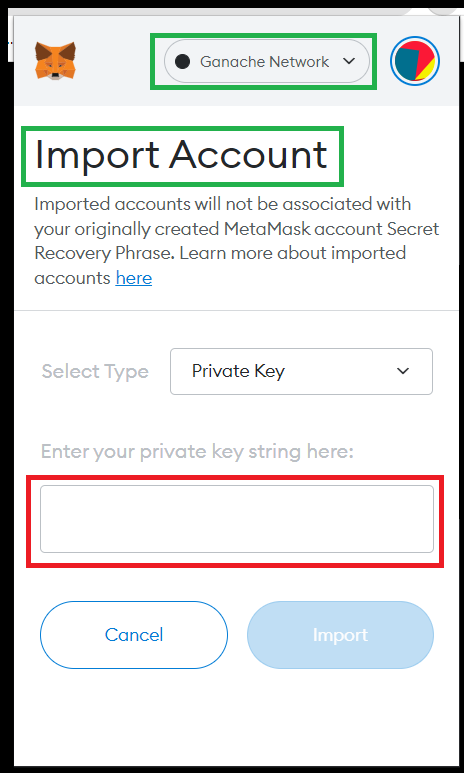


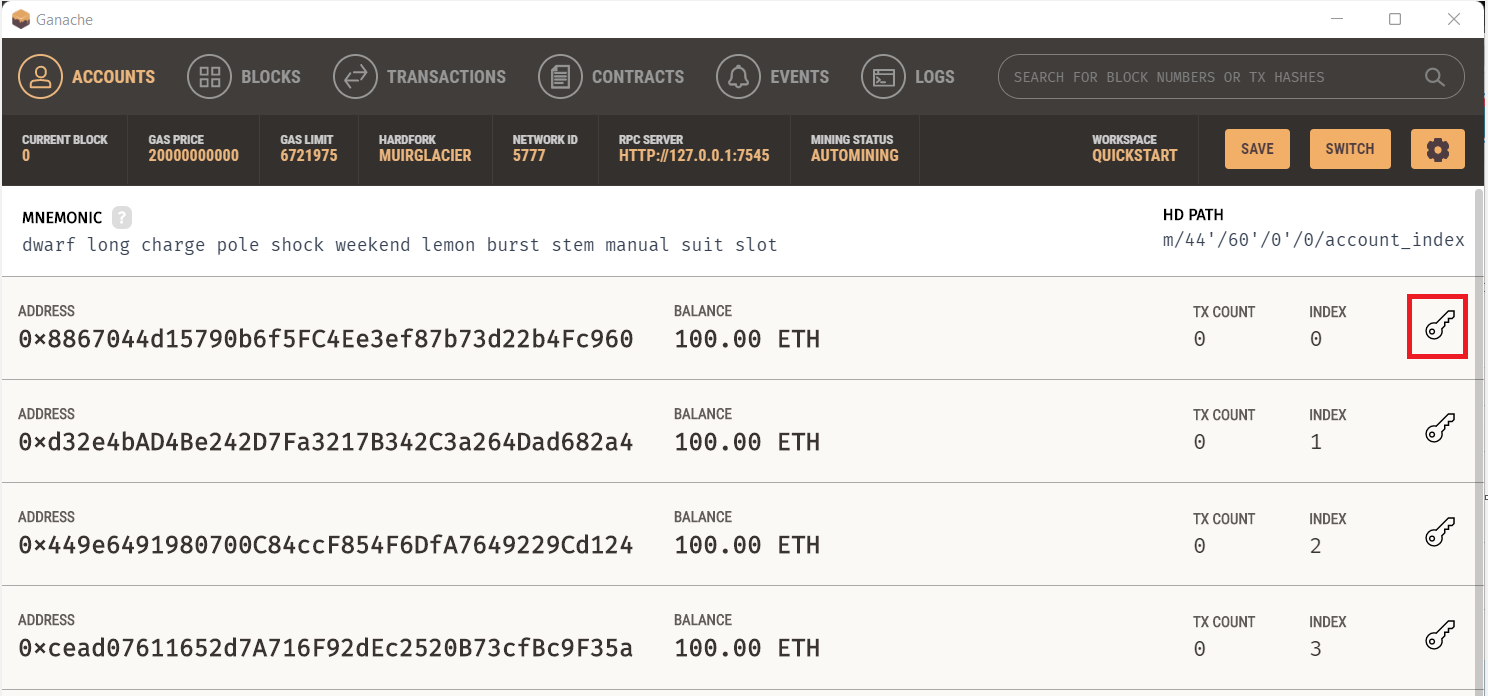




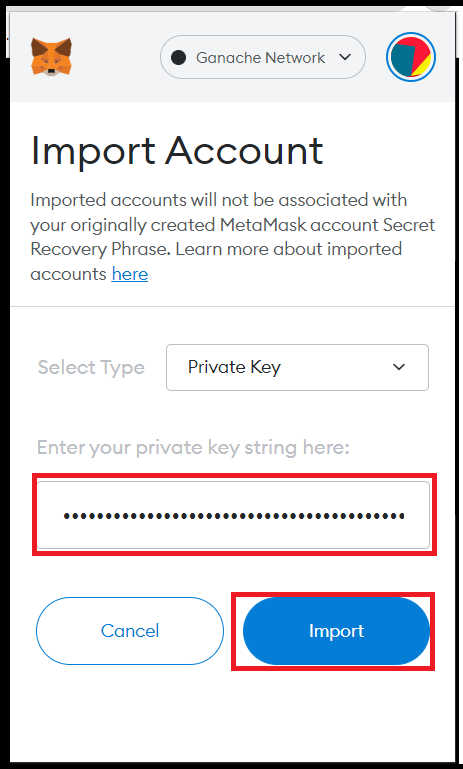


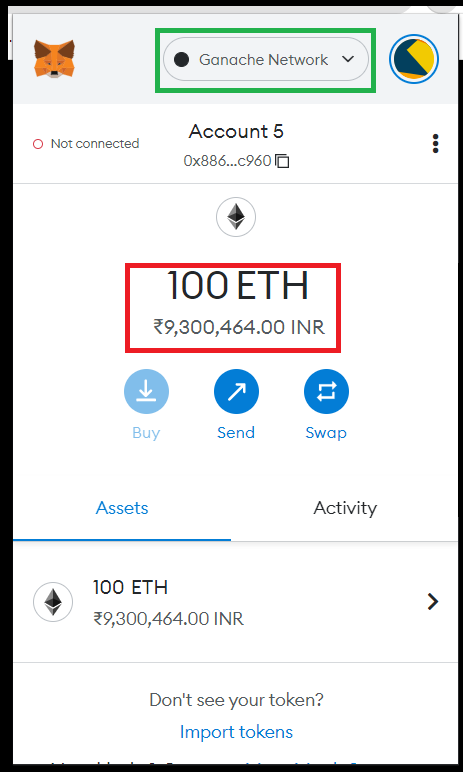


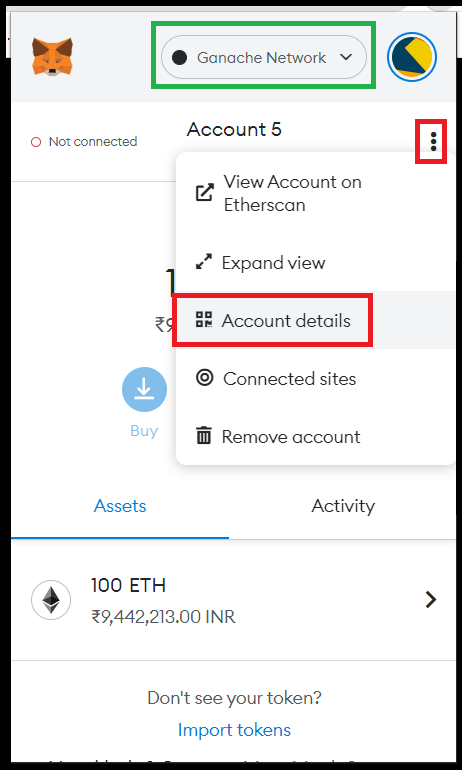


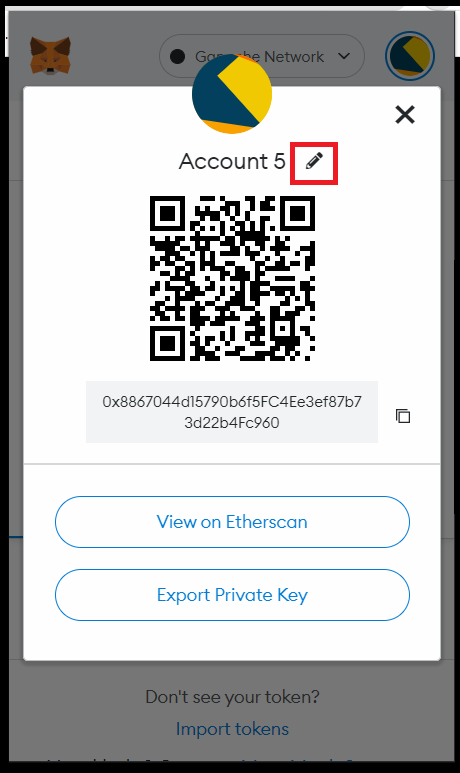


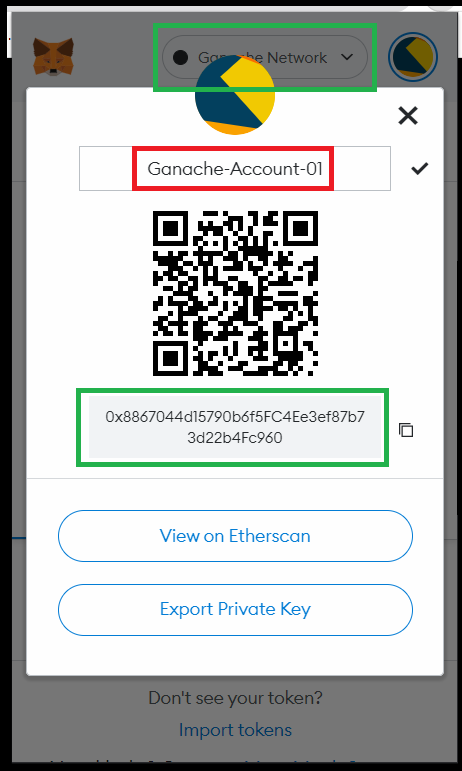


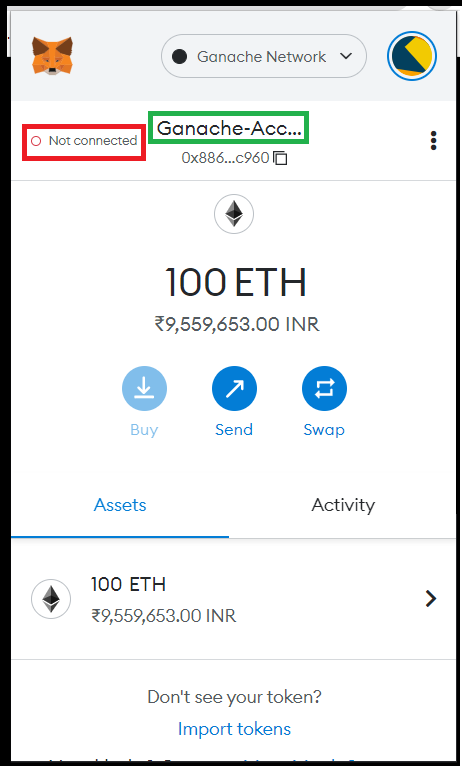


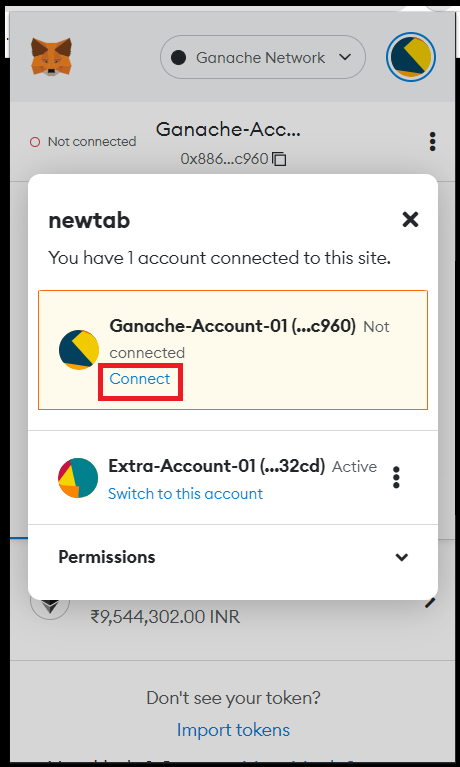


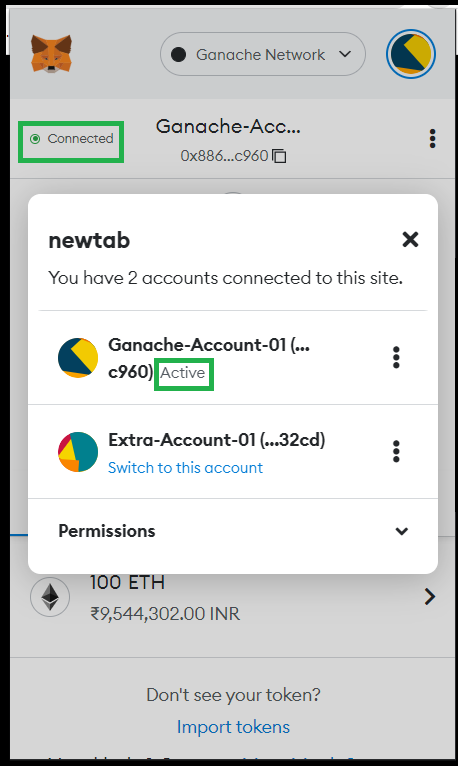




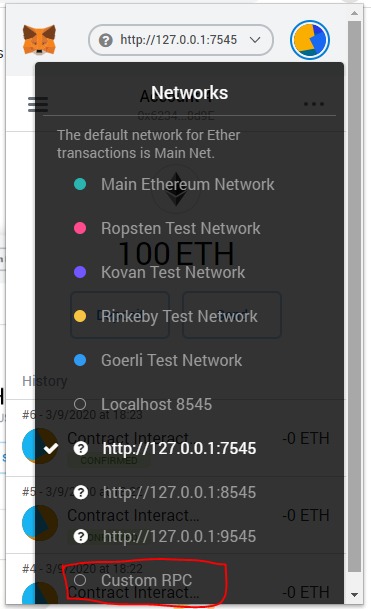






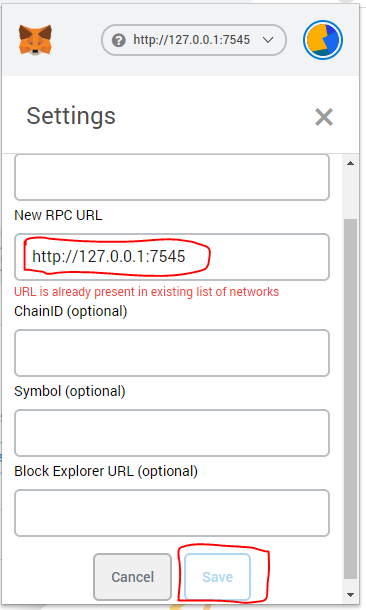


## Open the Metamask and click on “Custom RPC” option

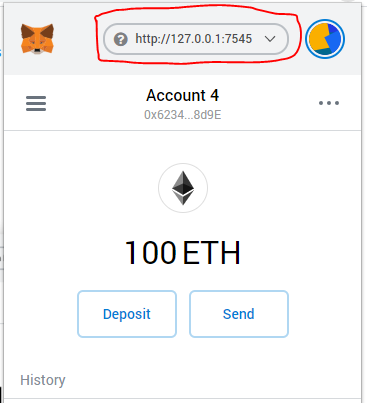


## Enter the “New RPC URL” info and Click on “Save” button

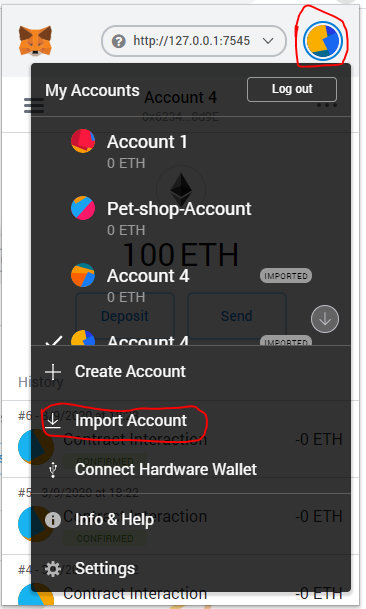
Here the New RPC URL will be “http://127.0.0.1:7545”



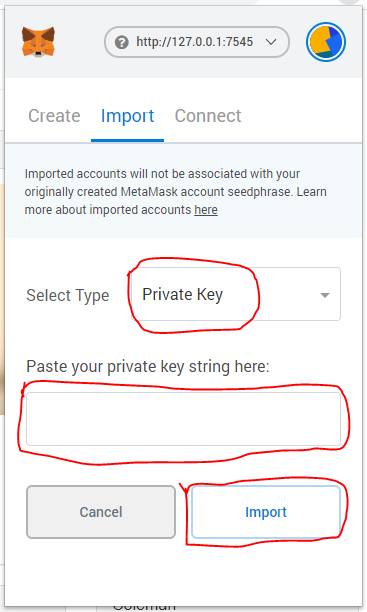
## Select the “<http://127.0.0.1:7545> “as the network option



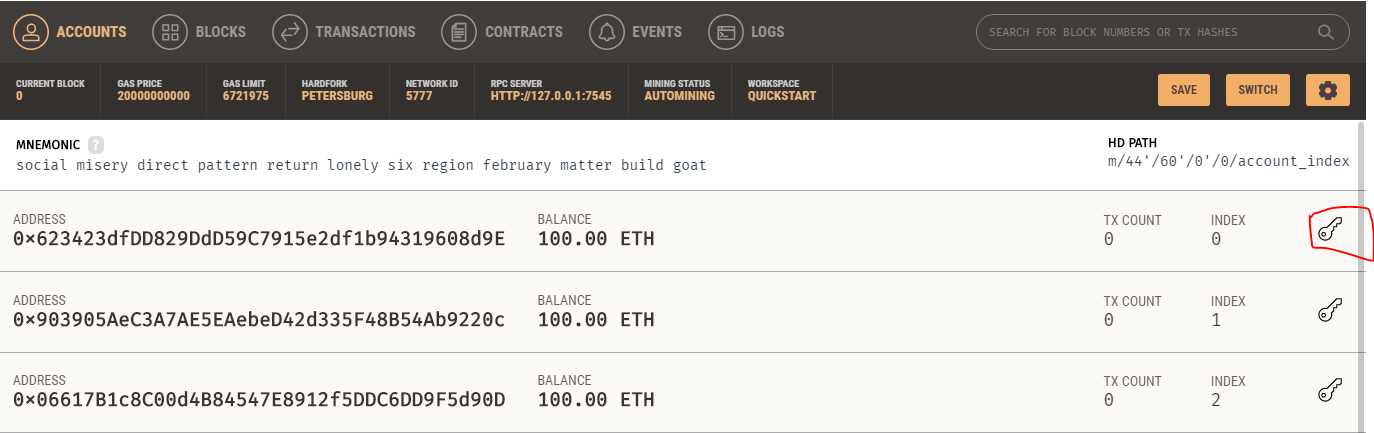
## Click on the round symbol and select the “Import Account” option



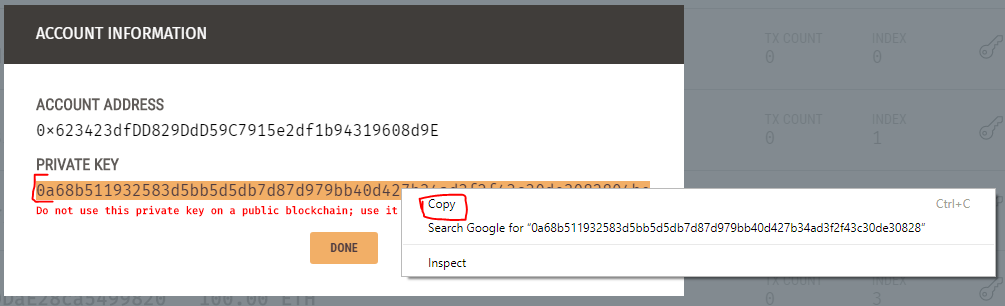
## Verify the display of the “Import Account” screen



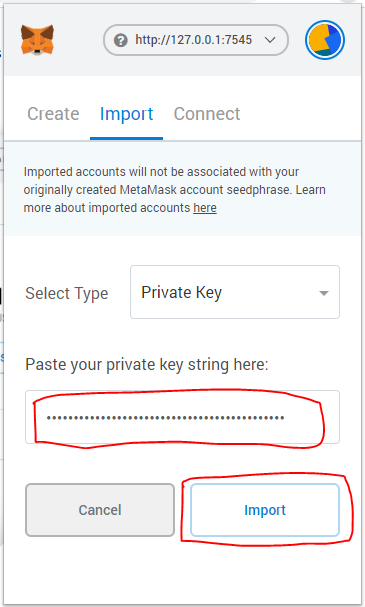
## Click on the key symbol of the first account of the Ganache Test Blockchain



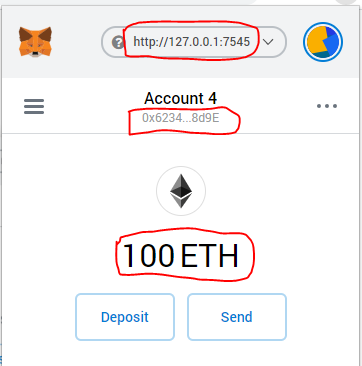
## Copy the “PRIVATE KEY” of the account



## Paste the copied “PRIVATE KEY” on to the Metamask’s “Import Account” and click on the “Import” button



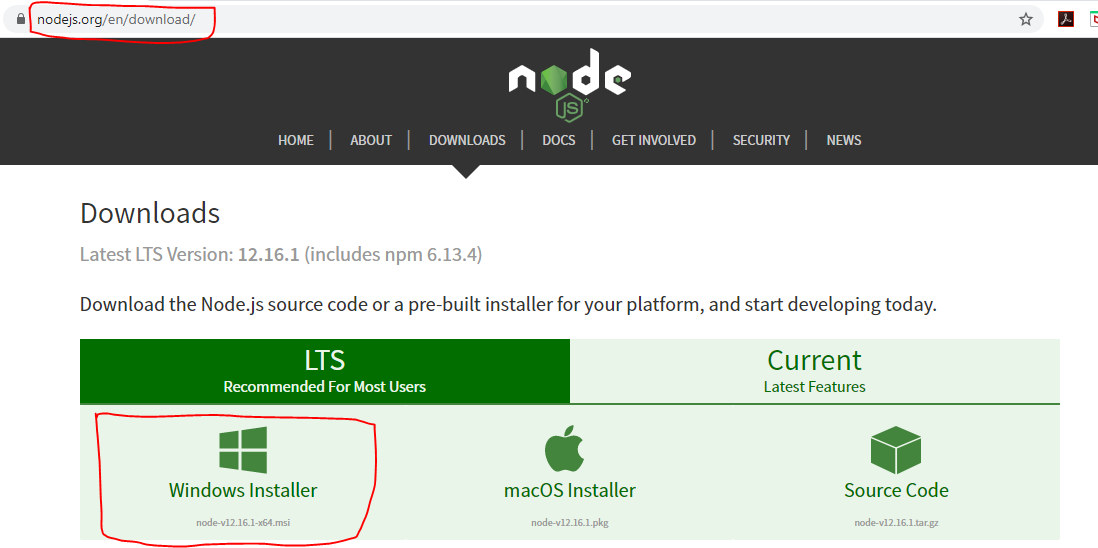
## Verify that the 100 Ethers of the first account of Ganache is loaded into your “Metamask Wallet”

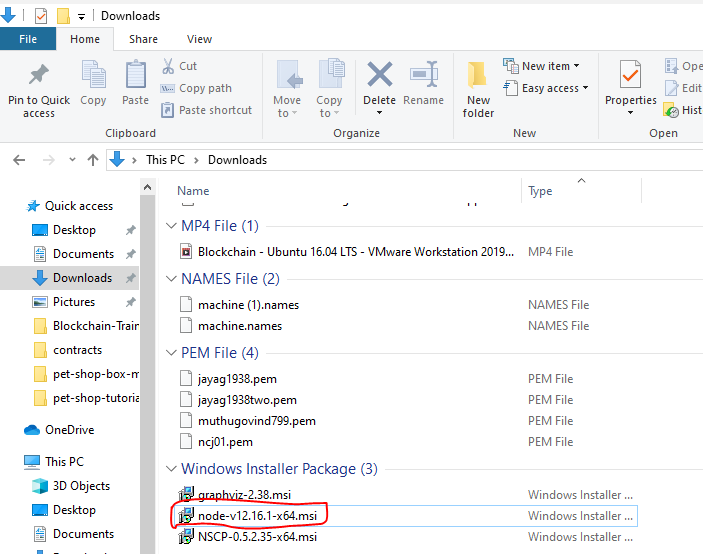


# **Setting up of required Tools in the “c:/Users/Username/”directory in Windows Platform**

## Download and install nodejs for Windows Platform

<https://nodejs.org/en/download/>

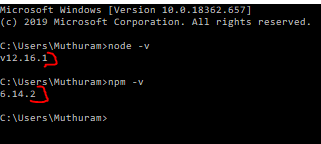




## Verify the successful installation of “nodejs” and “npm” through Windows terminal (using “cmd” command)

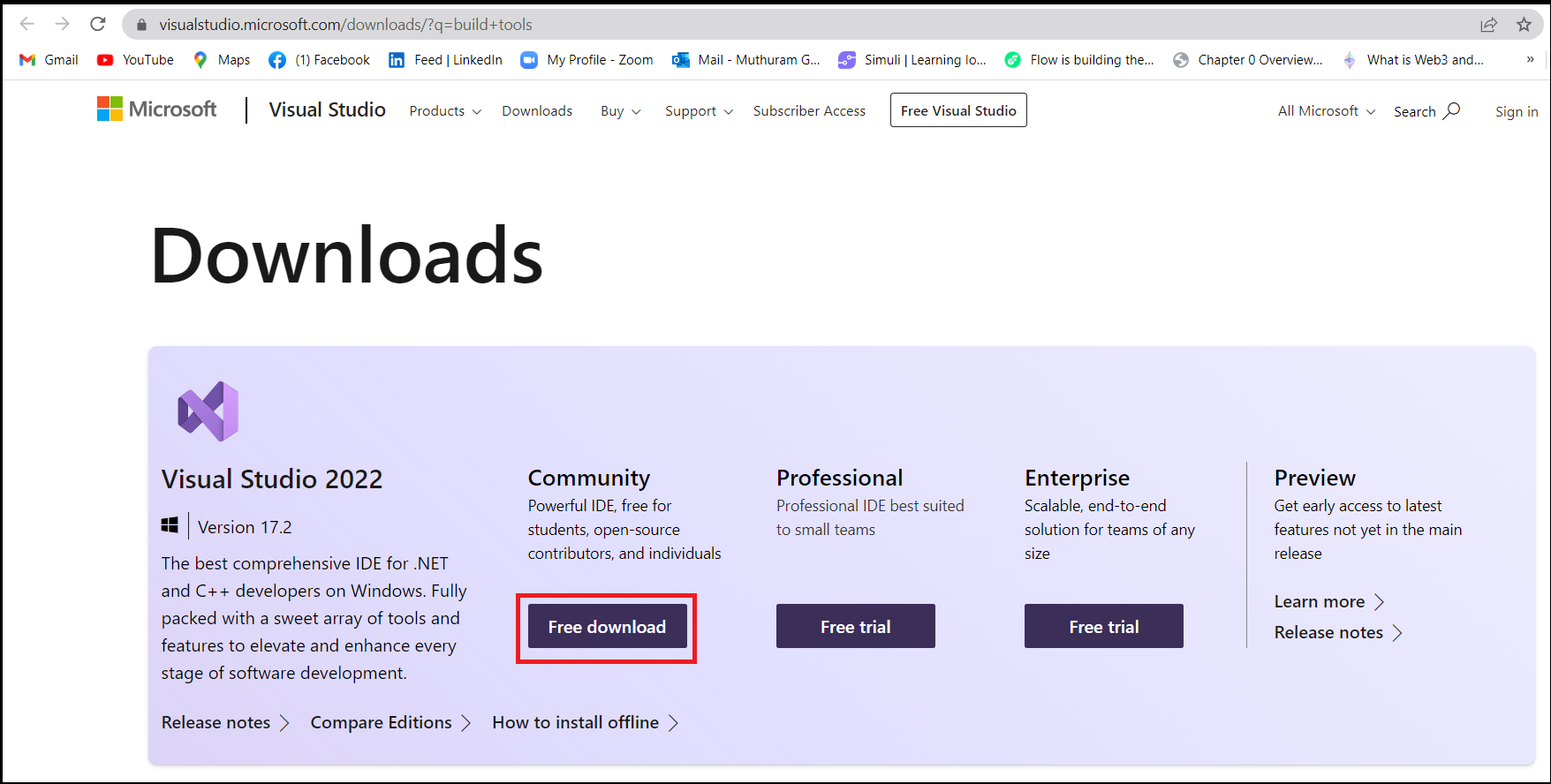
node -v

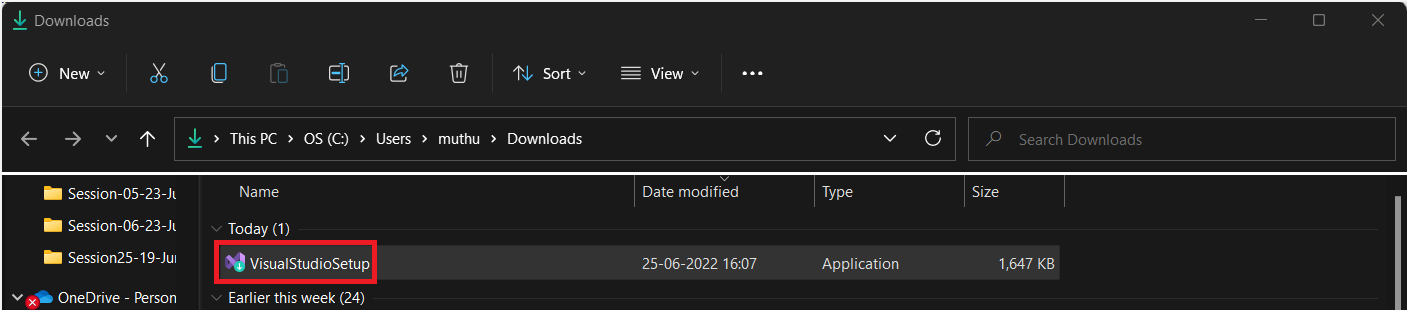
npm -v

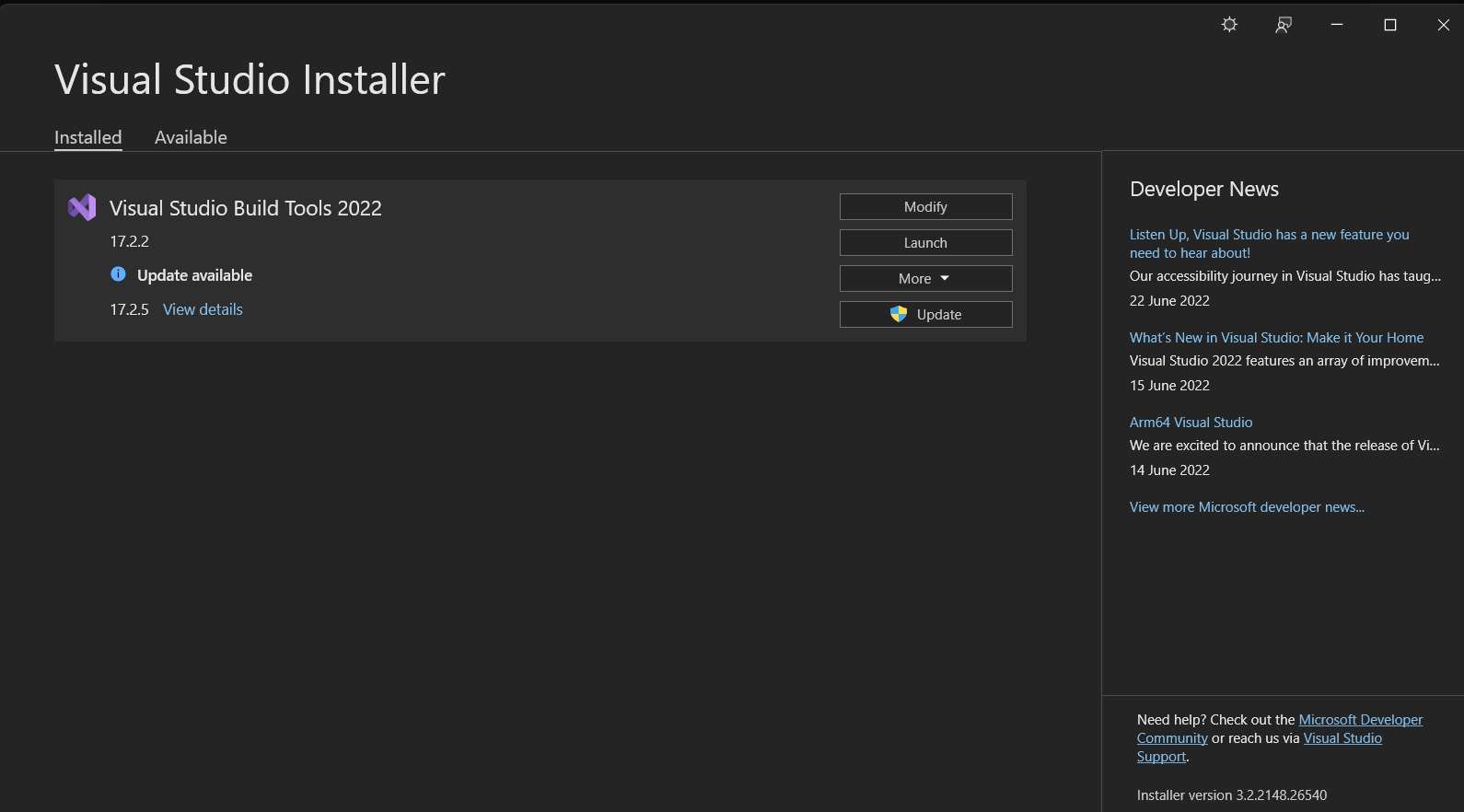


## Install Visual Studio Build Tools

<https://visualstudio.microsoft.com/downloads/?q=build+tools>







## Install Truffle through Windows terminal and verify its version after installation

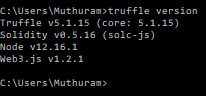
Prerequisite: Visual Studio Builds Tool installation is a perquisite for installing Truffle in your system.

**Command to install Truffle:**

npm install -g truffle



**truffle version**



## Download and Install “Visual Studio code” editor and verify

<https://code.visualstudio.com/download>

