**BlockChain and Cryptocurrency**

Name: Aqsa Arshad

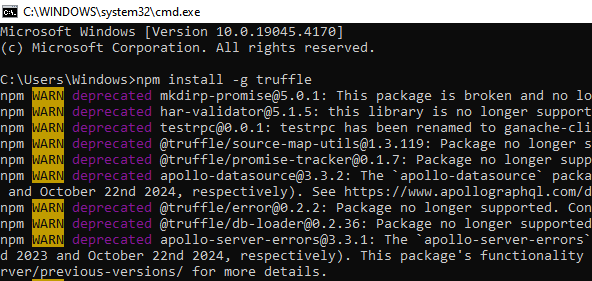
Roll no: 20L-1166

Section: 8B

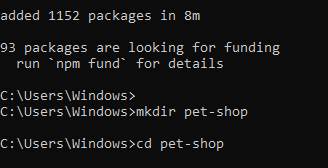
**Assignment 2**

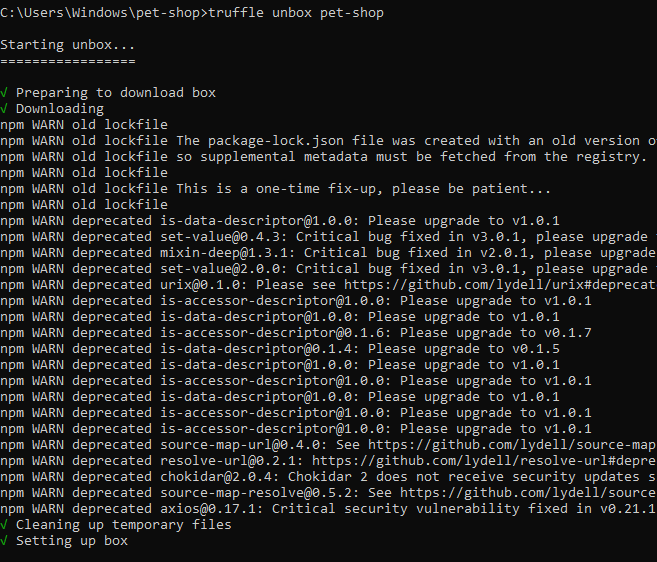
**Task 1 and 2:**

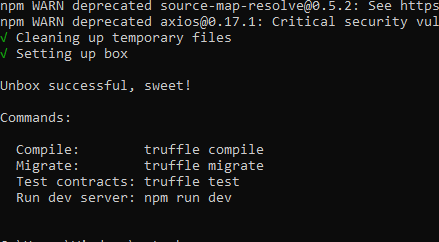
I set up a developing environment as shown below. These warnings are common while such installations.



Environment is set. Then I created a truffle project named **pet-shop** using the Truffle box as shown.

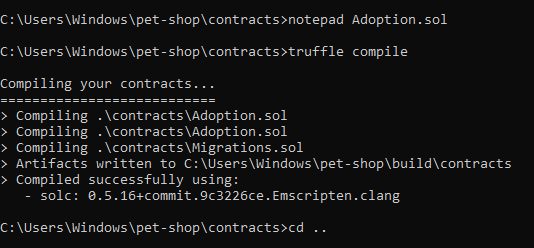


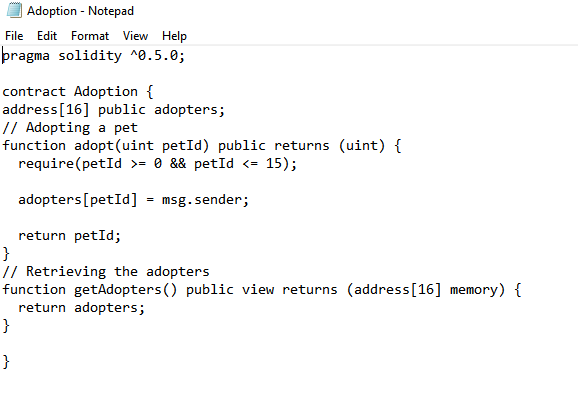




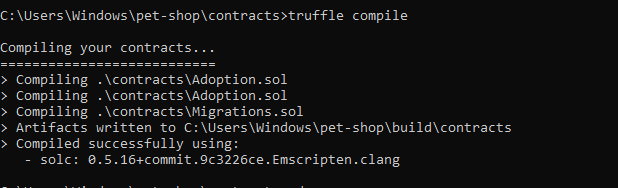
**Task 3:**

Then I wrote a smart contract in **Adaption.sol** file.

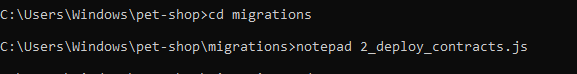


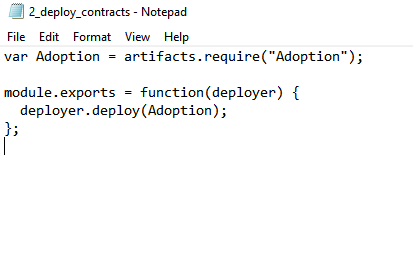


**Compilation**:

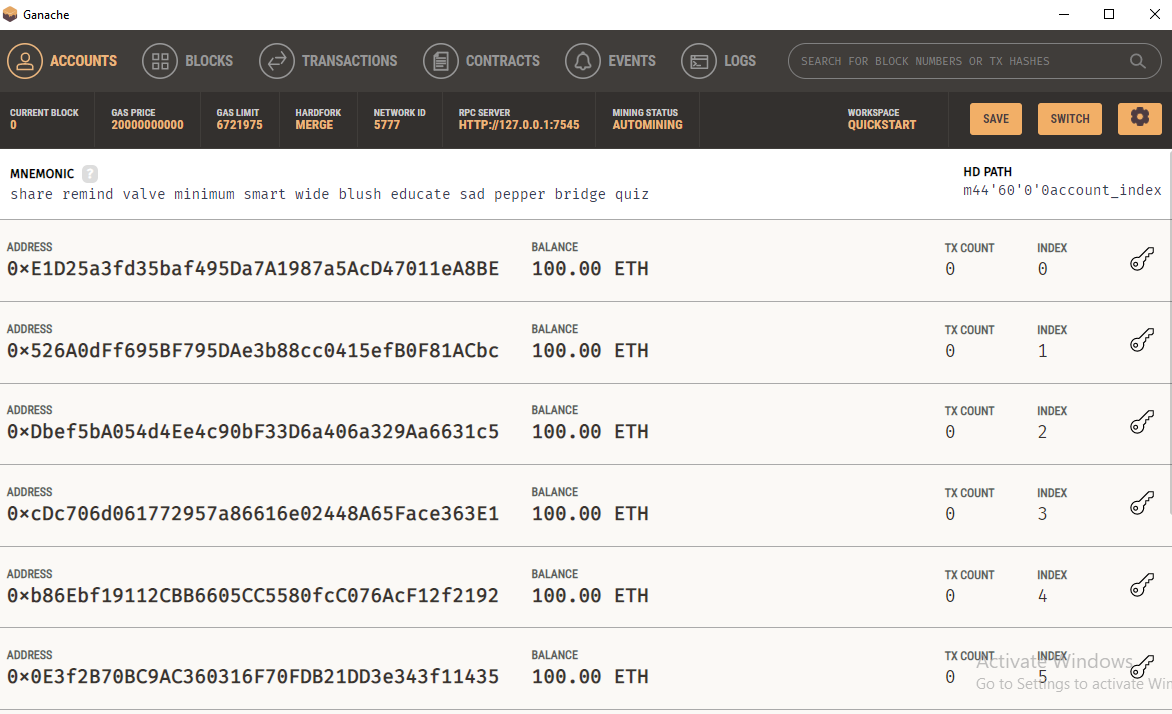


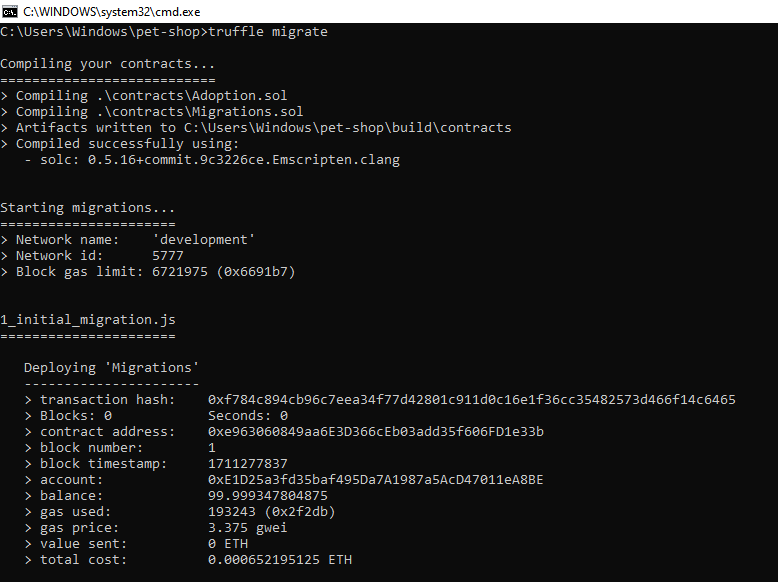
**Migration:**

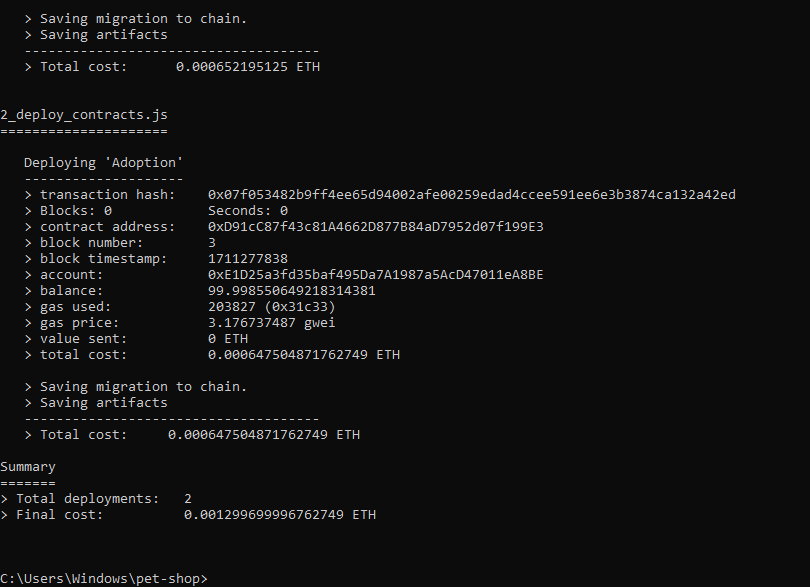


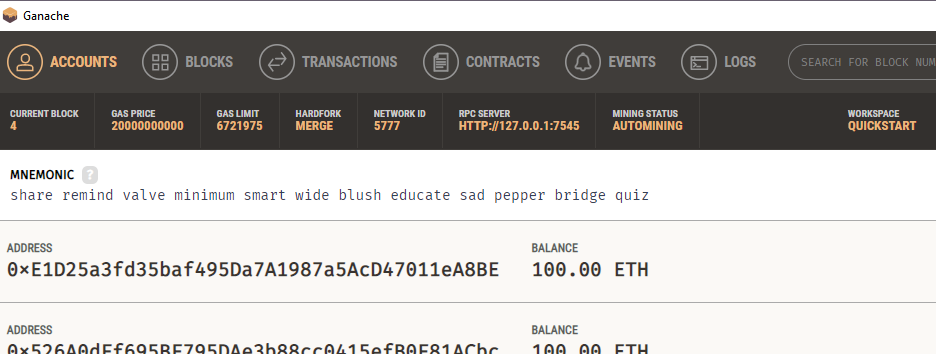


**Ganache App:**

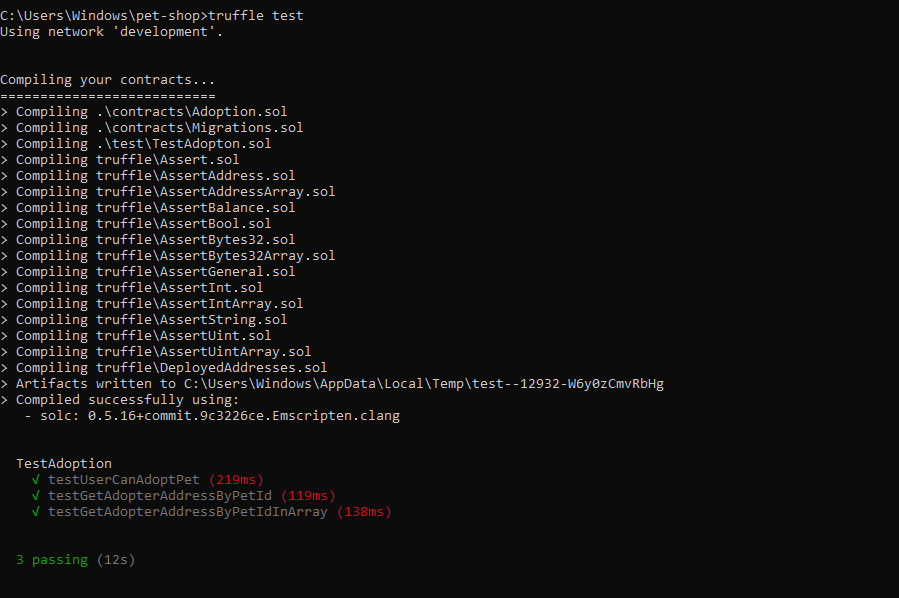
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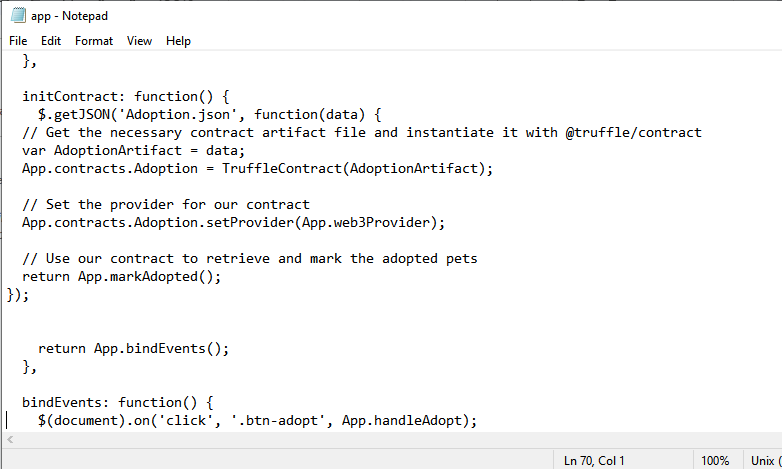


**Test:**



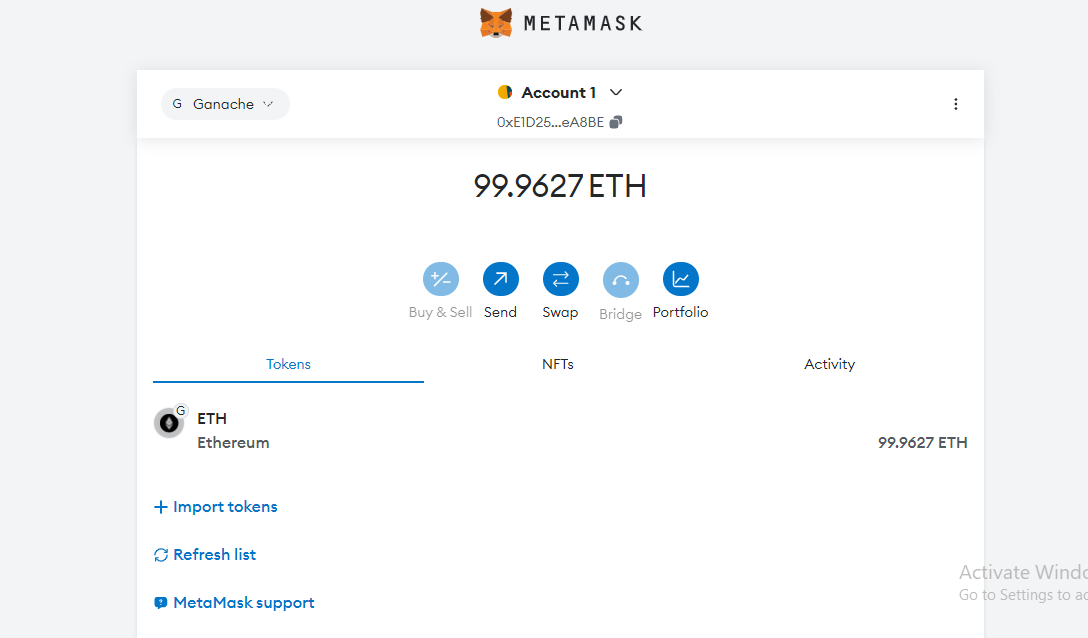
**Task 4:**

I created a user interface to interact with the smart contract according to the code snippets provided as shown below.



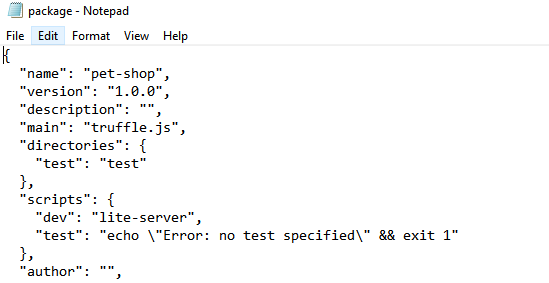
Then I saved the file.

For interacting with DAPP in browser, I **installed and configured** the **MetaMask.**

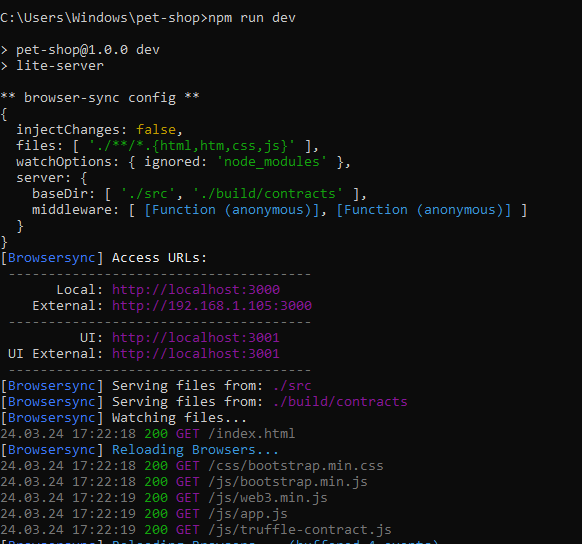


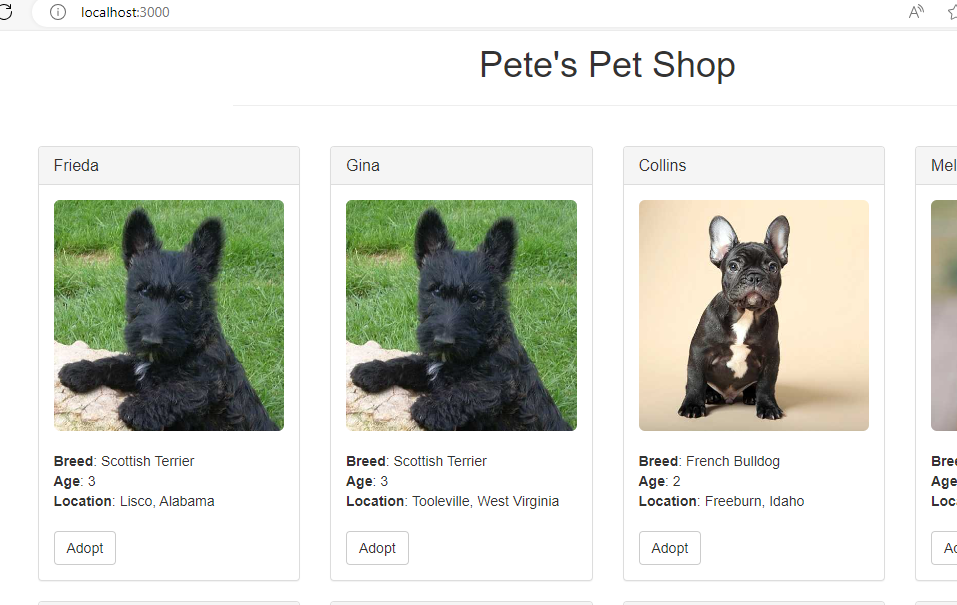
**Installing and configuring lite-server:**

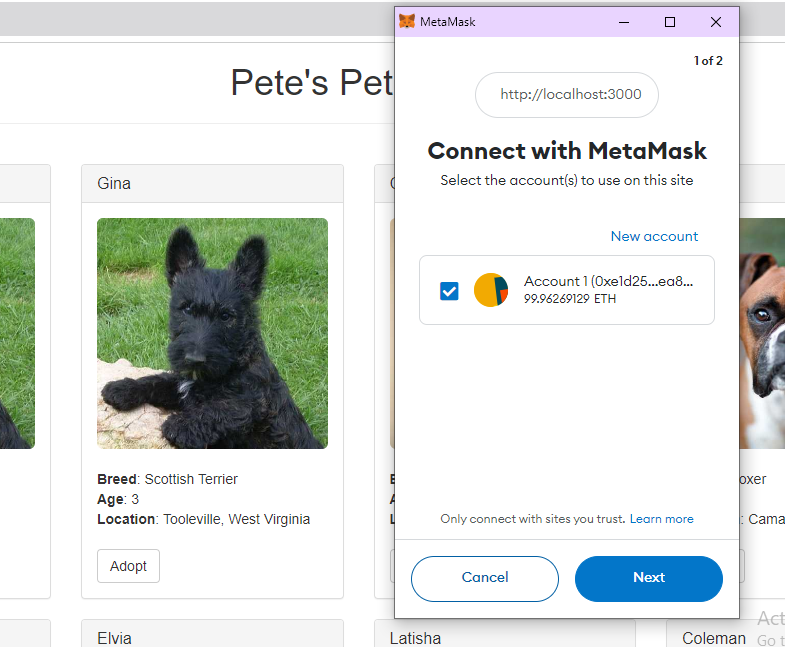
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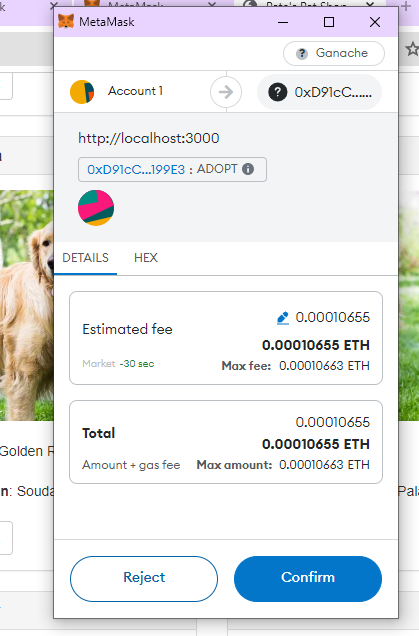
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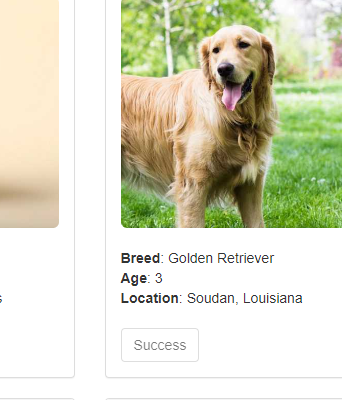
**Using the DAPP:**

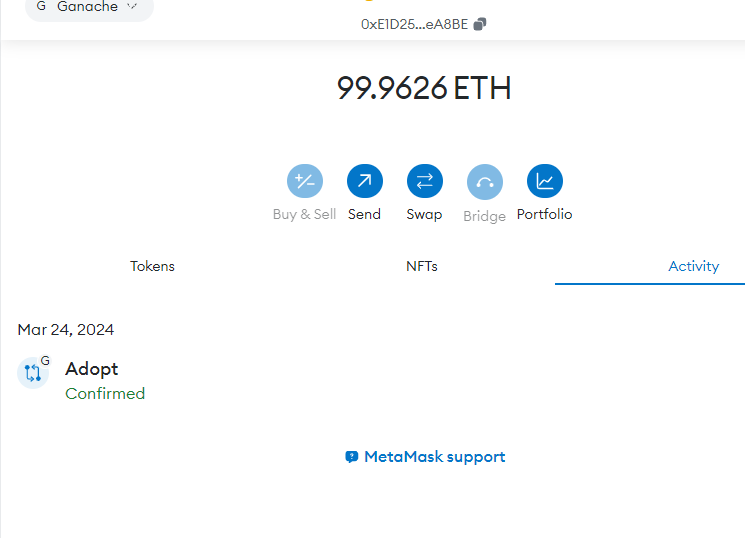
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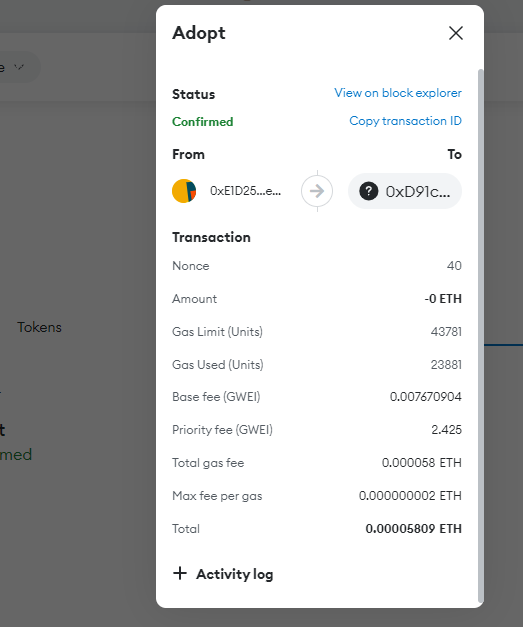
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**Link to video:**

https://drive.google.com/file/d/19rAlnsAzmJz0BDLIixXawGAbA5RKcmBf/view?usp=drive\_link