# “**First DAPP**”

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18L-0951

Blockchain

Assignment 2

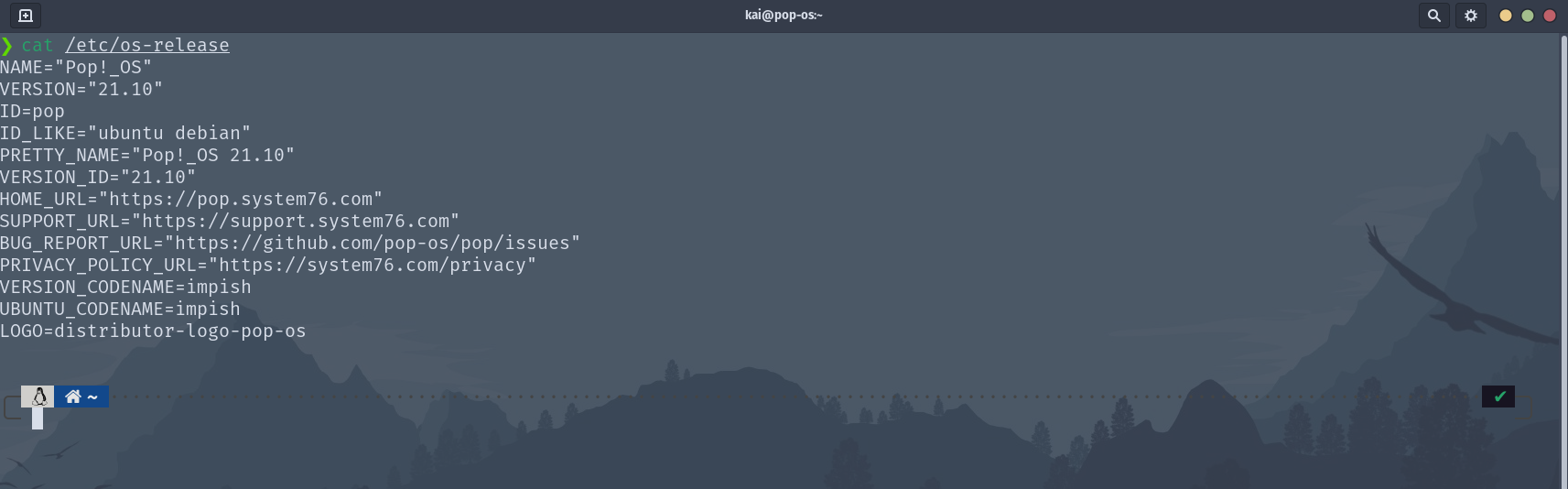
**Task 1:**

-> Software Installation

\* Install Virtual Box

\* Install Ubuntu Linux

Solution: I use Pop-OS(Linux) as my primary OS of choice, so these steps are redundant and unnecessary for me:

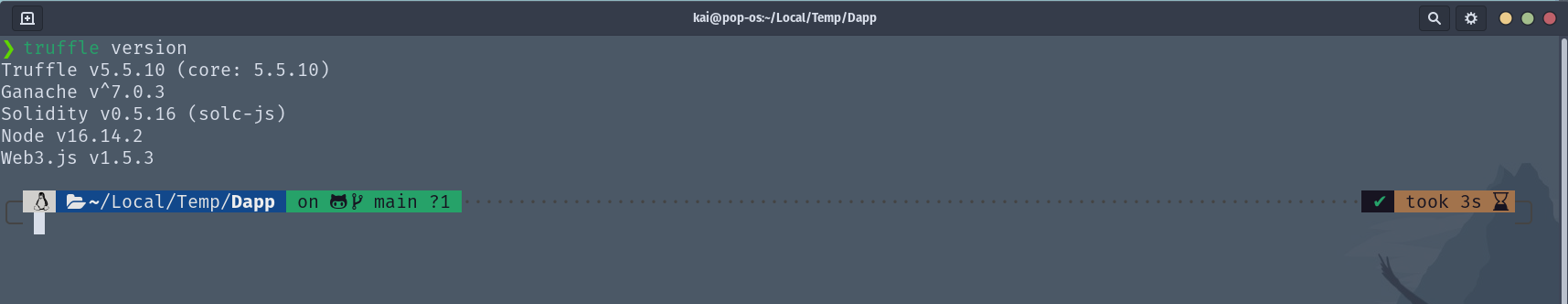


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**Task 2**:

-> Setting up the development environment:

Successfully  setup Development Environment [See Attached]



-> Creating a Truffle project using a Truffle Box

Truffle project created using Truffle Box [See Attached]

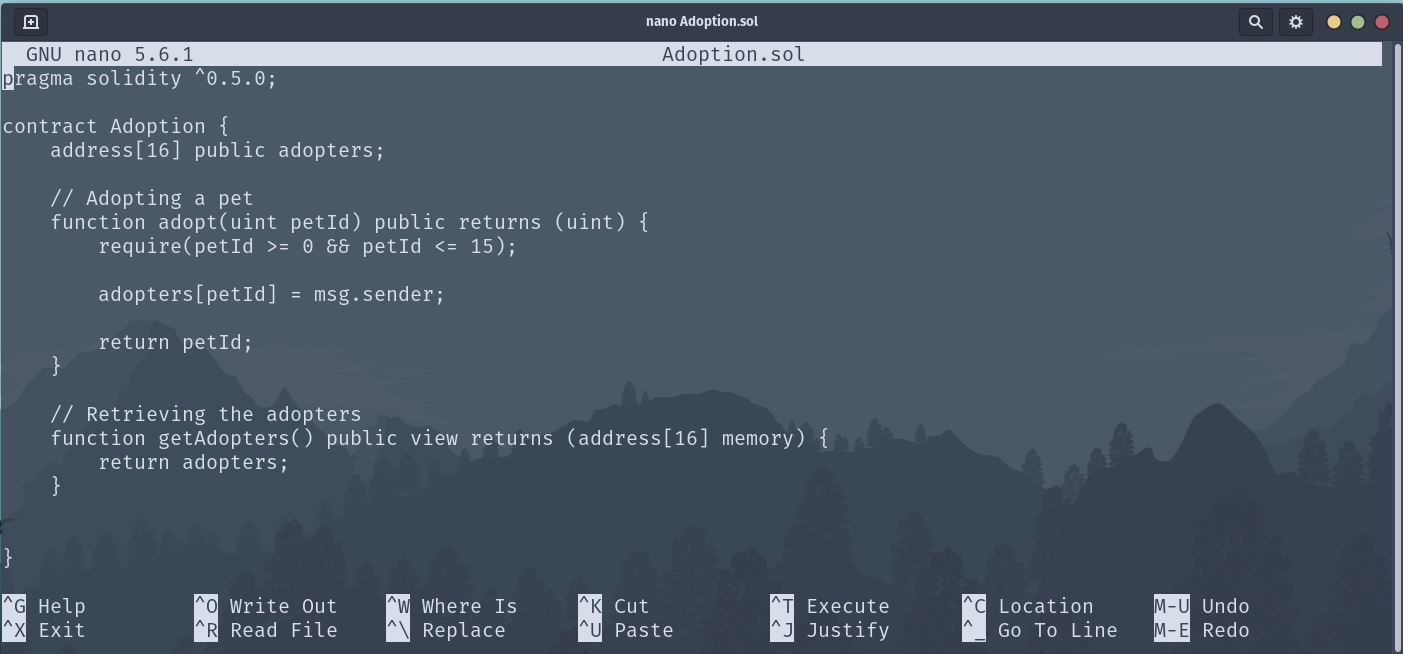


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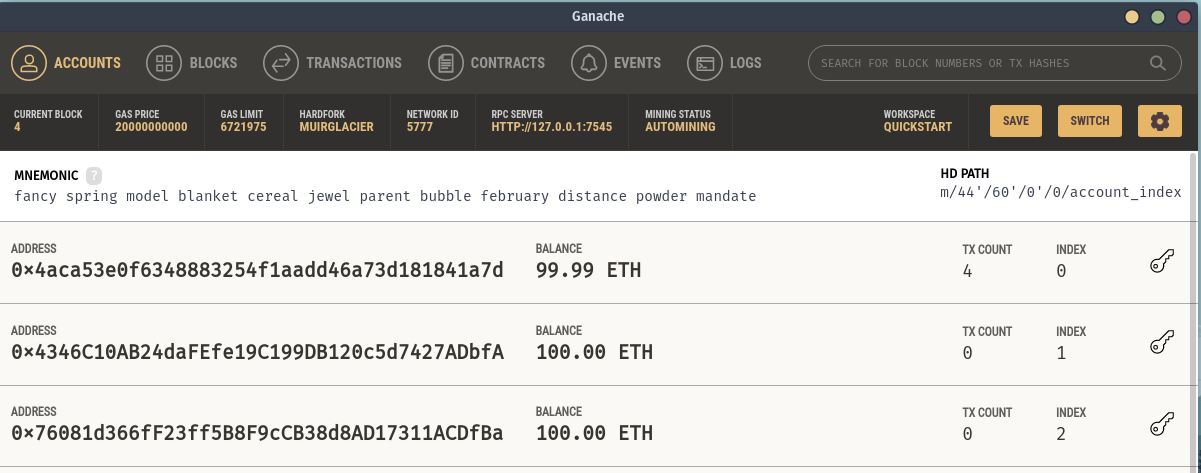
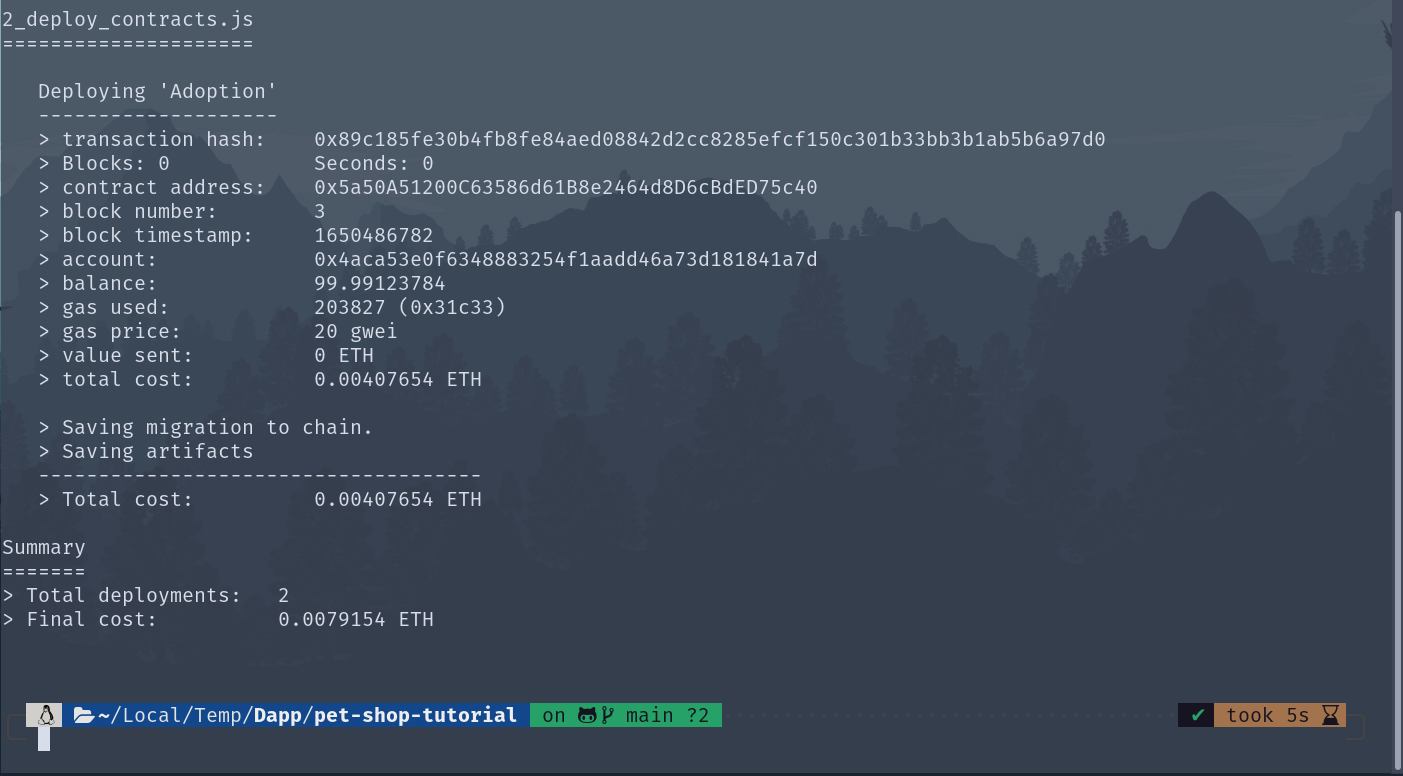
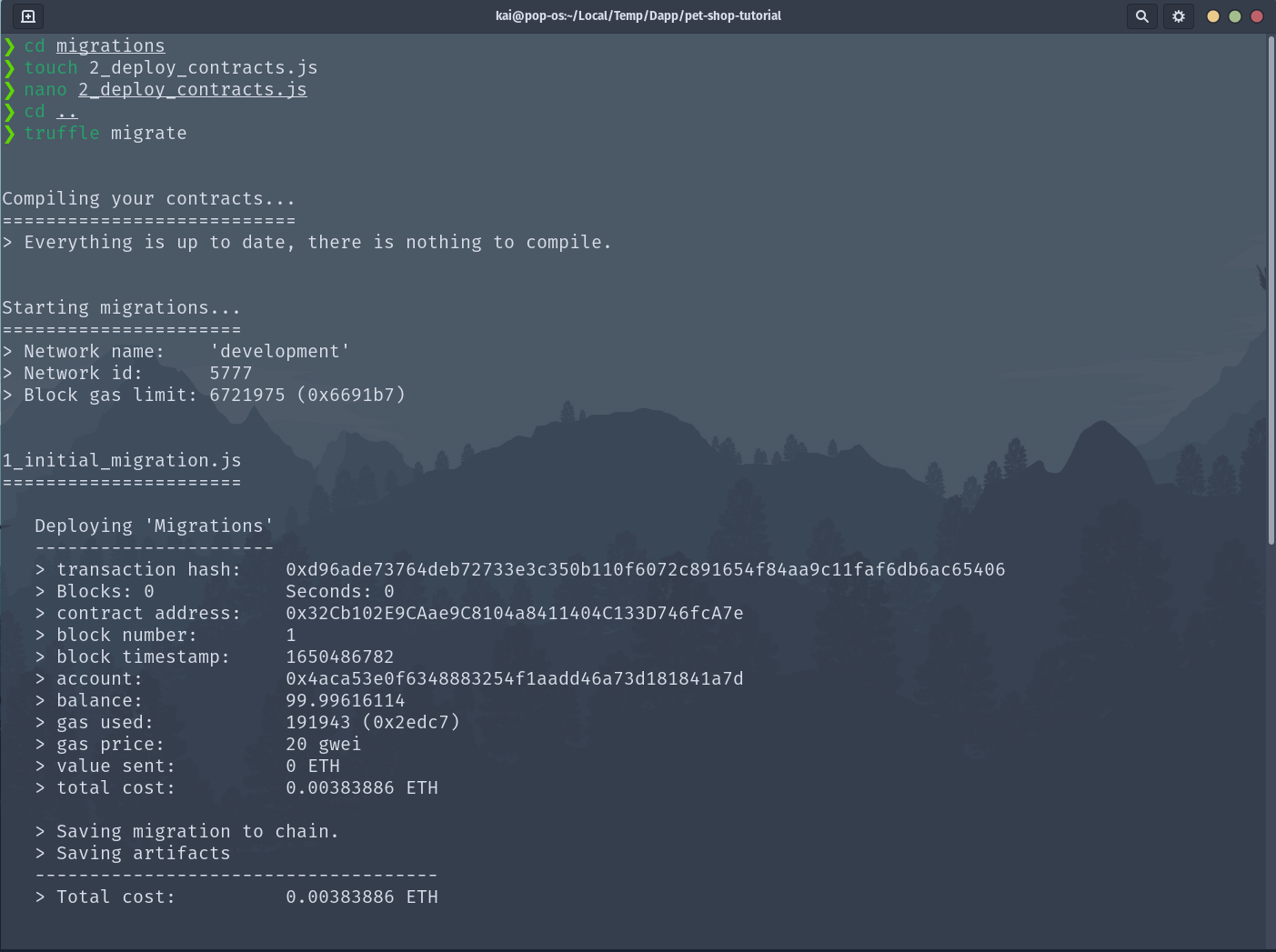
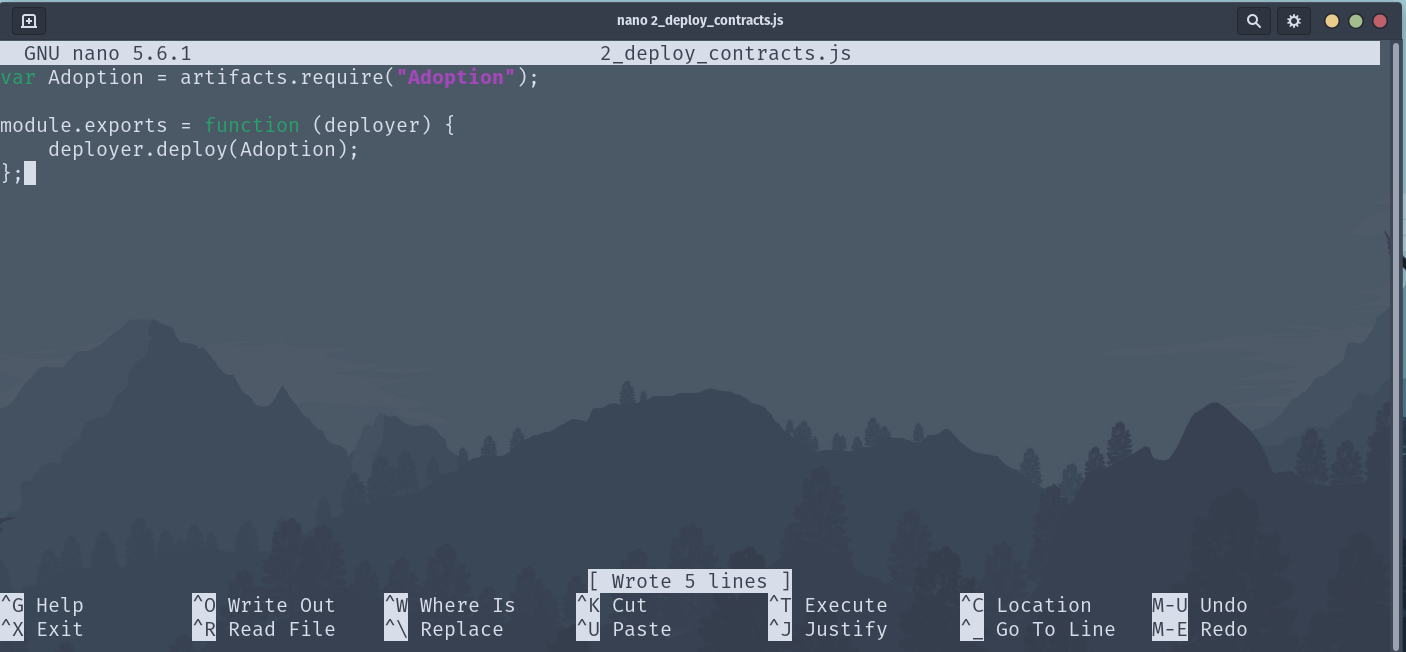
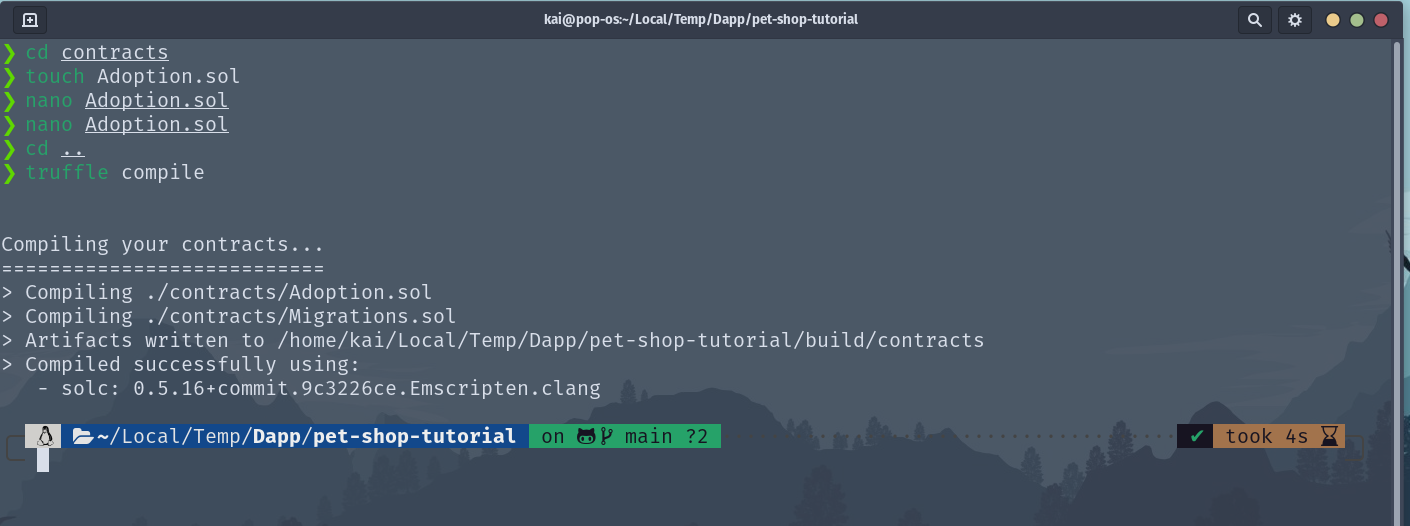
Task 3:

-> Writing the smart contract

Contract Added in contracts/

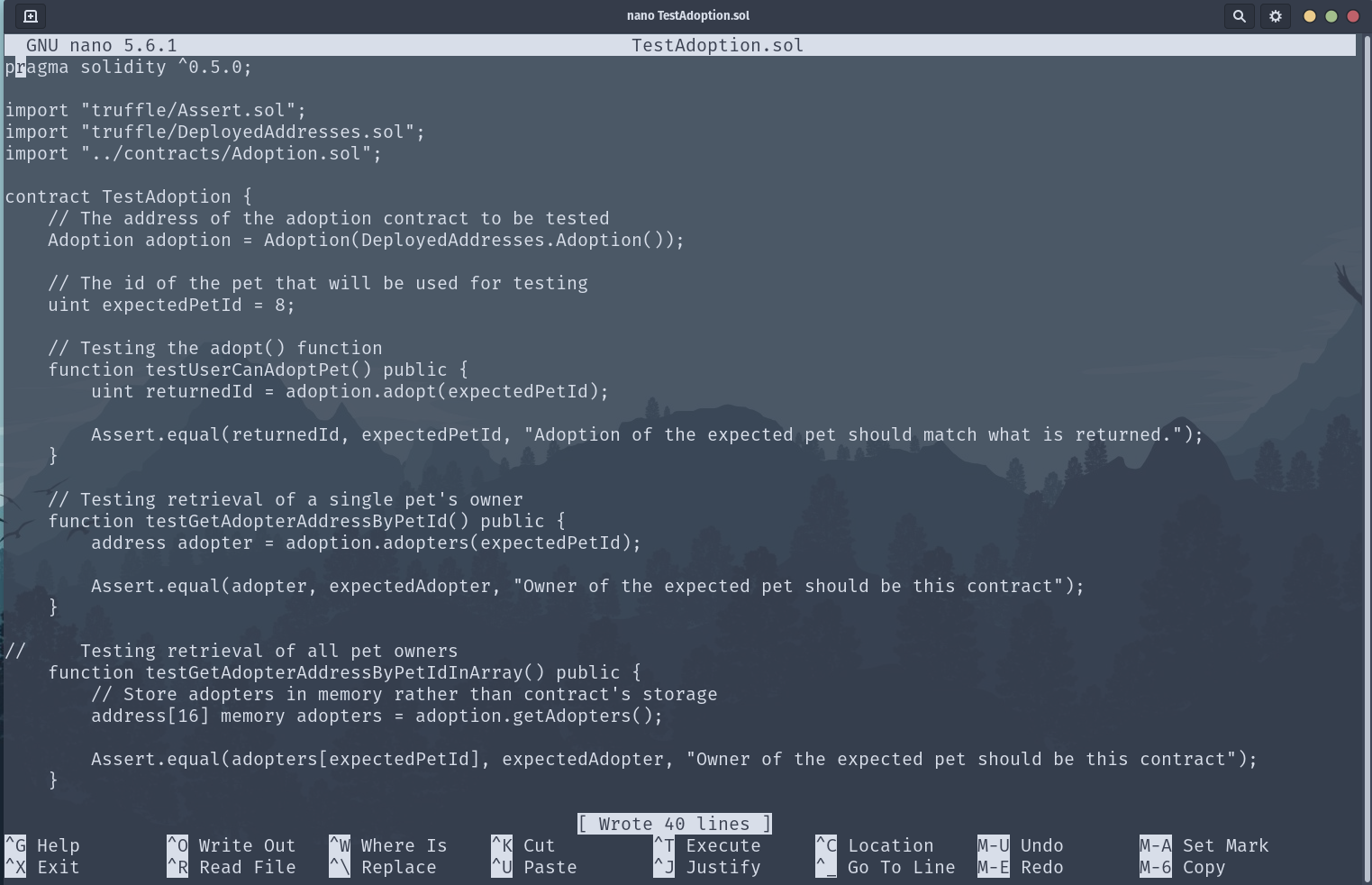


-> Compiling and migrating the smart contract

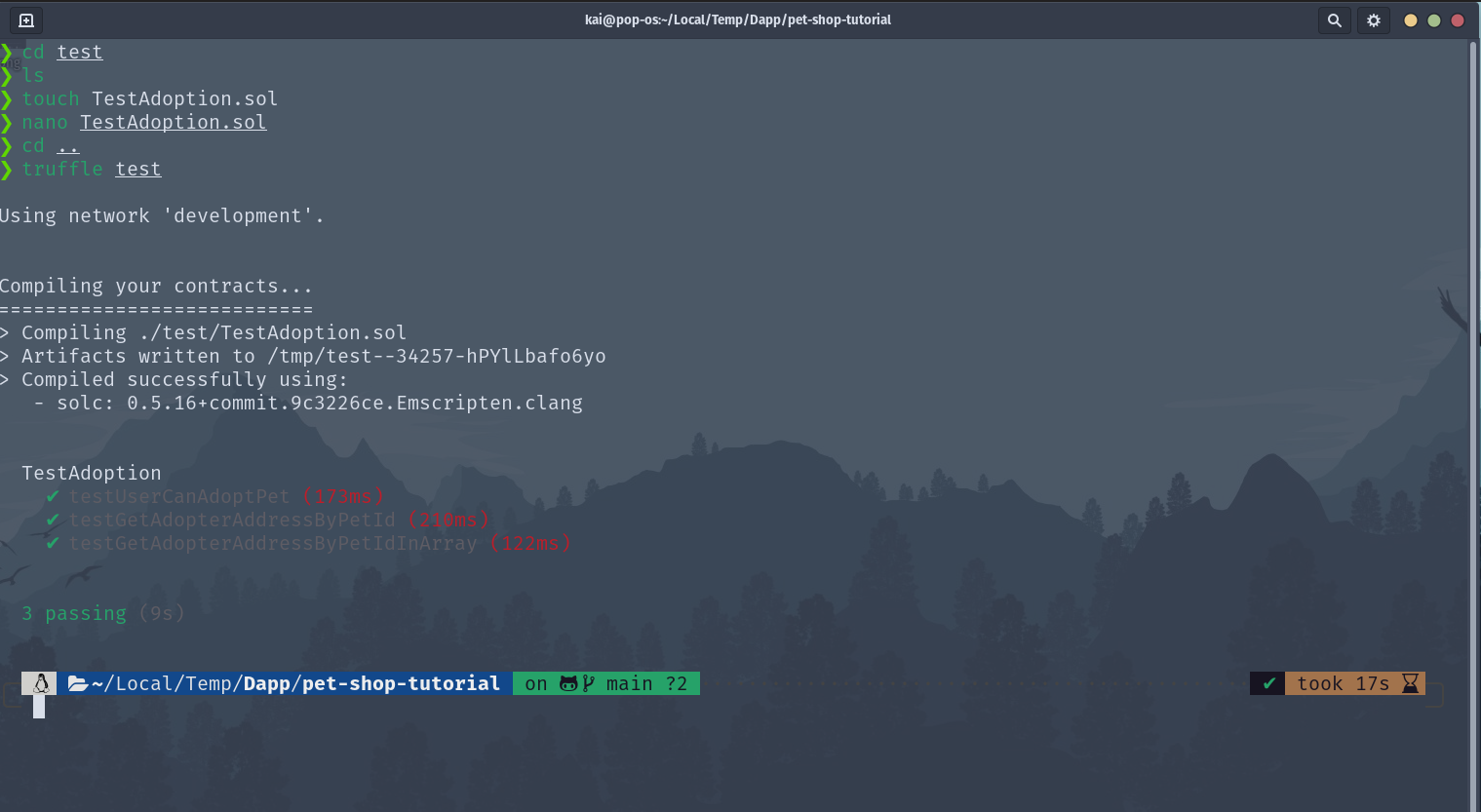


-> Testing the smart contract

Write Test in test/



Perform test:

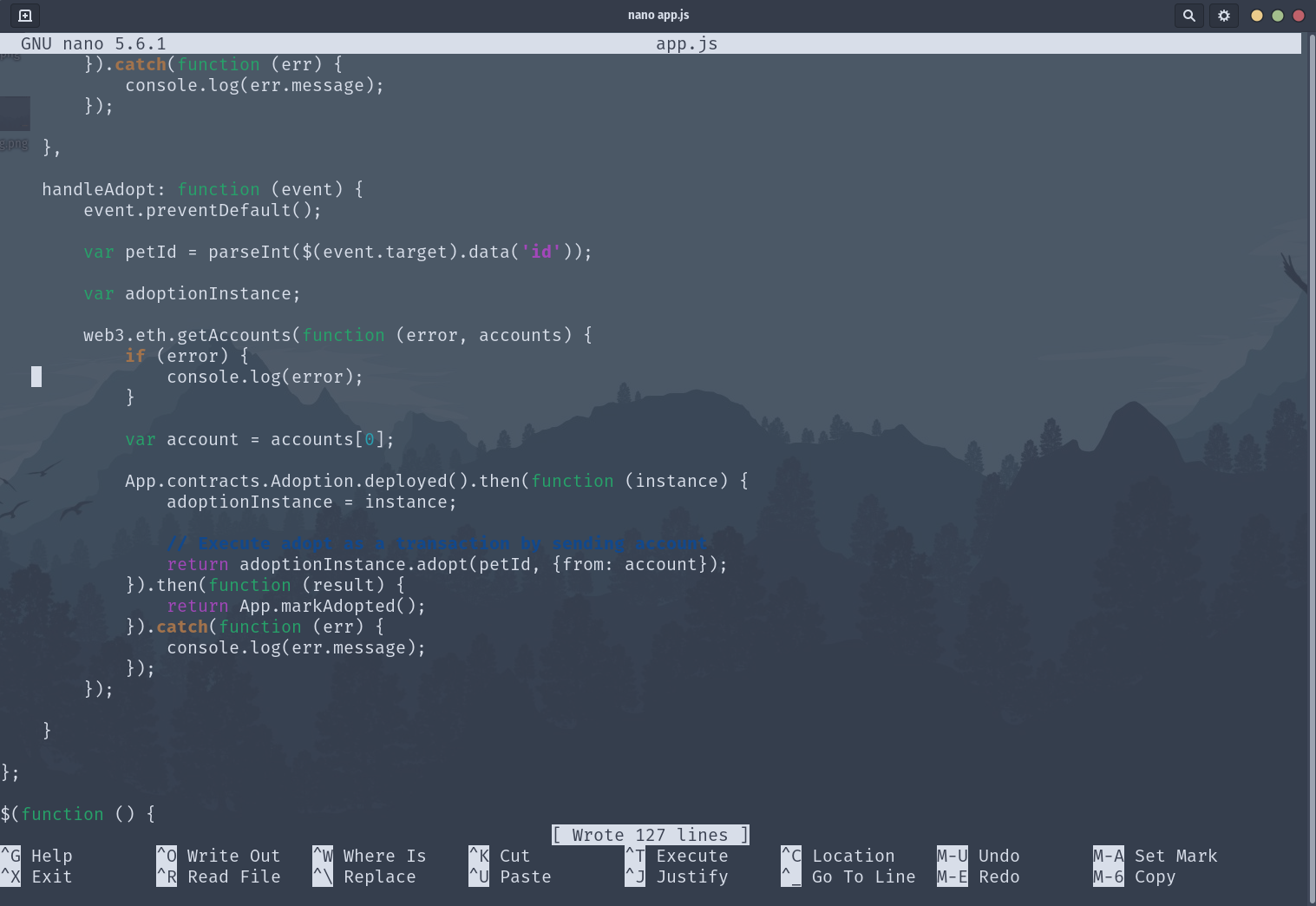


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Task 4:

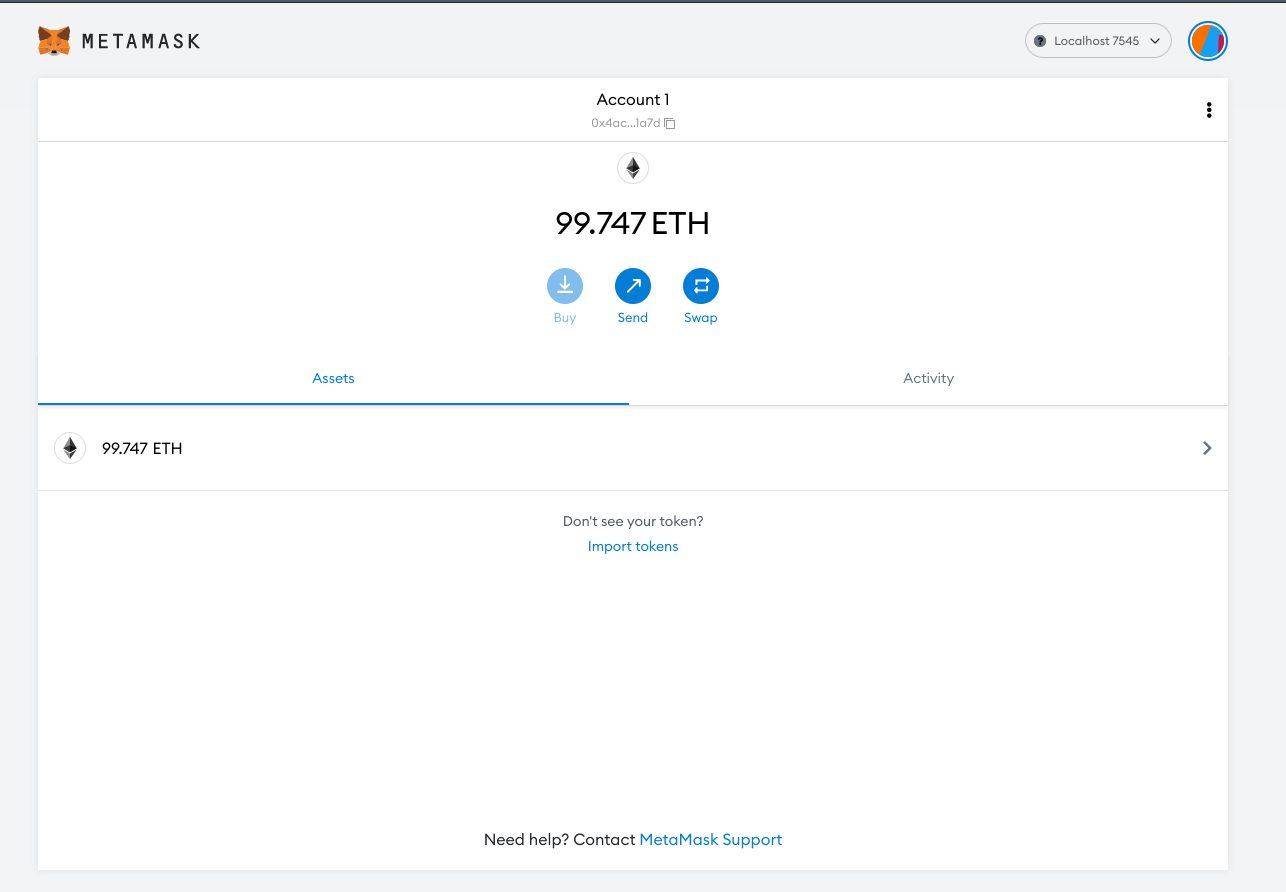
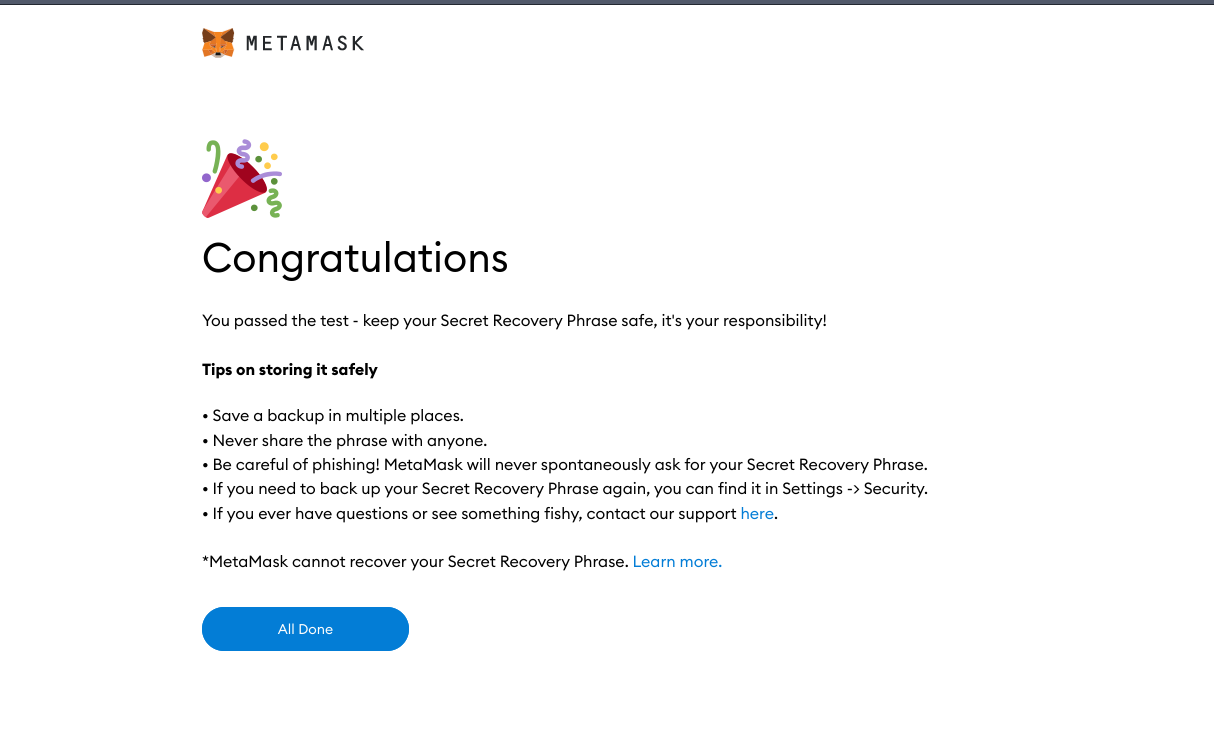
-> Creating a user interface to interact with the smart contract

 Add UI Code:



-> Interacting with the dapp in a browser

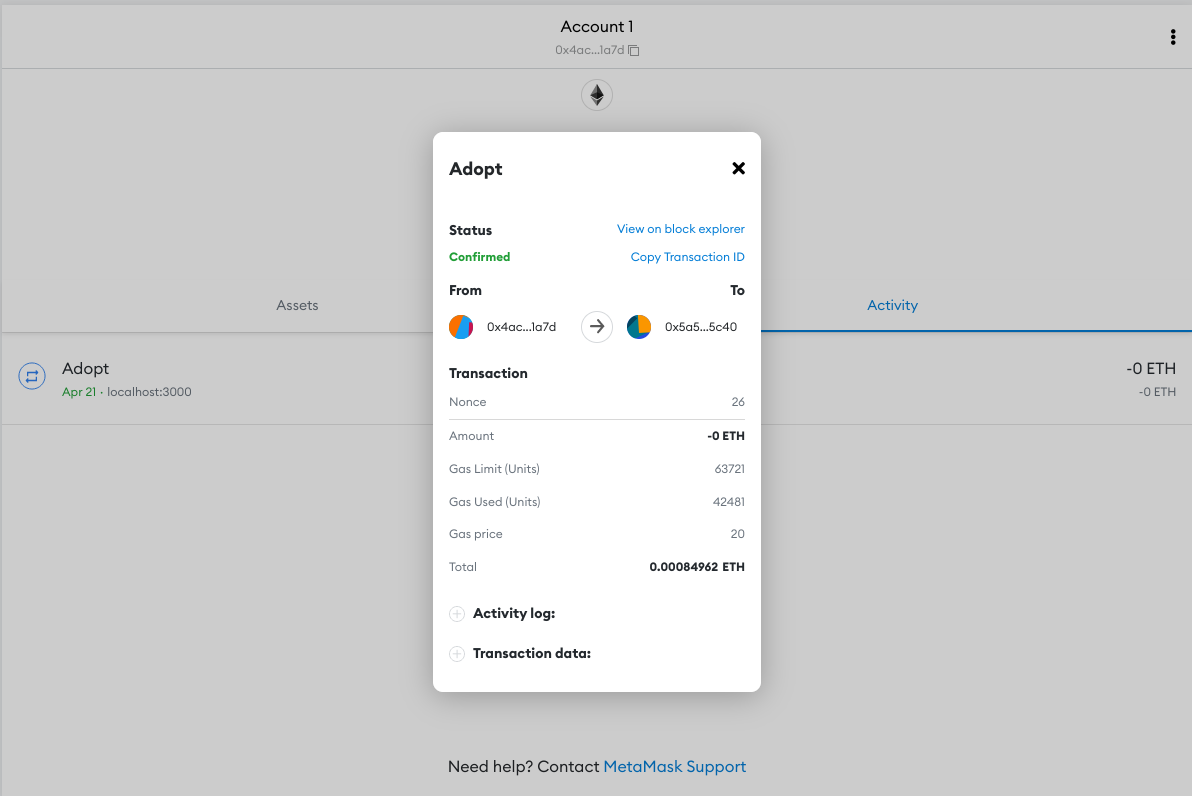
Setup and connect metamask:



Run frontend server:



**Successful**



**Video Link:**

<https://drive.google.com/file/d/1ExyGFhH_xnIzBk_OcgwGyqE3Qn3OcWmF/view?usp=sharing>