Homework 8

Part 1 Treasure Hunt

There is treasure to be found, we will give the address of the treasure map during the lesson.

If you need TBNB there is a faucet
Test net Faucet

Part 2

Hardhat

Using your choice of hardhat, foundry or truffle

1. Create a project for your Badger coin
2. Write unit tests for your Badger coin contract
   The tests should show that
   1. The total supply is initially 1000000
   2. That the number of decimals is 18
   3. The balanceOf function returns the correct result
   4. The transfer function works correctly
   5. Test that an error is produced if a transfer is created with an insufficient balance

For help with the syntax for unit tests see

Hardhat : https://hardhat.org/guides/waffle-testing.html
Foundry : https://book.getfoundry.sh/forge/tests
Truffle : https://trufflesuite.com/docs/truffle/testing/writing-tests-in-javascript.html