1. Copy contracts and scripts folders to lab-4
2. In a terminal, start the hardhat, run the commend under the lab-4 directory

$ hh node

1. In another terminal, compile the contract, run the command under the lab-4 directory

$ hh compile

following message should be displayed if there is no compilation error.

Compiled 1 Solidity file successfully

1. Deploy the contract to local node, run the command under the lab-4 directory

$ hh run --network localhost scripts/deploy.js

Go to the terminal that is running the hh node, following message should be displayed. Note down the Contract address.

eth\_sendTransaction

Contract deployment: ERC20

Contract address: 0x2cc8e0b2209e11a08638f407a2c513920411ff26

Transaction: 0x78eae3100a6f8f485a7f9d80712a8e037890c9cf1221cdf7986a1aa4ac114e2f

From: 0xd2d6eaf2ace2b4208627100118580c897f94466a

Value: 0 ETH

Gas used: 402803 of 402803

Block #1: 0x343ac94df72085f64ab0a465dd0af747b24a31486255f802c87ed7525b3b59d1

1. Update the contract address noted down above to line 7 of scripts/interact-contract.js and save the changes
2. Use scripts/interact-contract.js to talk to the contract deployed above, run the command under the lab-4 directory

$ hh run --network localhost scripts/interact-contract.js

Below are the outputs of the script.

BigNumber { value: "1000000" }

ERC20