Homework 17

1. Create a fork of mainnet (details below)
2. On the command line check the current block height, is this what you expected ?
3. Can you transfer ETH from one of Vitalik's accounts to your own account ?

Creating a fork of mainnet

See also lesson 9
See hardhat documentation

You first need to have an account on Infura or Alchemy
This will give you a key so that you can use their RPC nodes.

Forking using ganache

```
npx ganache-cli --f https://mainnet.infura.io/v3/<your key> -m
"your 12 word mnemonic" --unlock <address> -i <chain ID>
```

Fork from hardhat

```
npx hardhat node --fork https://eth-
mainnet.alchemyapi.io/v2/<your key>
```

In hardhat you can also specify this in the config file

```
networks: {
  hardhat: {
    forking: {
      url: "https://eth-mainnet.alchemyapi.io/v2/<key>",
    }
  }
}
```