

## Homework 20

Make sure you have completed homework 17 and know how to create a fork of mainnet.

### Interacting with Uniswap

We will do this in 2 stages

1. Write some unit tests that will interact with Uniswap
2. Use those tests to create a contract to interact with Uniswap.

Today we will just do the first stage.

1. Make a fork of main net in the IDE that you prefer.
2. Impersonate an account such as the Binance account that has a lot of DAI.
3. Write a unit test to call the swapExactInputSingle function in the Uniswap router.
  1. Swap DAI for USDC
  2. Swap DAI for BUSD

Main net details

Uniswap V3 router address : 0xE592427A0AEce92De3Edee1F18E0157C05861564

DAI stablecoin address : 0xE592427A0AEce92De3Edee1F18E0157C05861564

Binance Account : 0xDFd5293D8e347dFe59E90eFd55b2956a1343963d