Exchange

What is that?

Basic idea

- "An act of giving one thing and receiving another (especially of the same kind) in return." – Oxford Living Dictionaries
- Put in a currency, receive another currency back
 - With the same value
- Put in ether, receive tokens back

Price, Spread

- Demand and Supply make the price
- Bob to Joe: "I want 10 ether, I could offer you 1000 dollar for that"
- Joe to Bob: "Well, I want to sell my 10 ether, but I want 110 dollar each"
- Ether Price: 110 us dollar
 - Demand: 100\$ each
 - Supply: 110\$ each
 - Spread: \$10 = Higest "Bid" minus lowest "Ask"

Limit Order vs. Market Order

- Bob and Joe posted limit orders
 - Sell 10 ether for \$110 each
 - Buy 10 ether for \$100 each
 - Is stored but not executed
 - **■** Limit Order Book
 - "Market Maker"
- Bob really wants the ether: "Give me 5 of your ether, no matter how much!"
 - Bob buys 5 ether for \$110 each from Joe
 - Market Order

Volume, Tick Data

- Bob buys 10 ether
 - Volume is 10 ether
- Tick Data
 - Every single trade
 - In contrast to e.g. candlestick chart
 - Open, High, Low, Close (OHLC)
 - Summarizes data from several trades
 - First Trade, Highest Trade, Lowest Trade, Last Trade within a time interval

What you learned

- An exchange is a place where things can be exchanged
- ► A limit order is written down in the order book and executed later
 - Or Partly
- A market order is executed immediately