York Code Dojo

Share Dealing – Ideas and Exercises

# Resources

<https://github.com/YorkCodeDojo/ShareTrading>

<https://sharetradingapi.azurewebsites.net>

# Analysis

## Getting Started

Ask the user for the closing price yesterday, and the closing price today. Compare these values to predict what the closing price will be tomorrow.

## More Advanced

Instead of asking the user, load and parse the supplied file. Then based on the last two days, predict what the closing price will be tomorrow.

Use the files in <https://github.com/YorkCodeDojo/ShareTrading/tree/master/Data>

## Visualisation

Can you find good ways of visualising the data? (There is too much data to plot in Excel)

## Language

Can you generate some text to describe the state of the market?

For example, “**after a steady increase during the last month, there was a lot of movement in the price today. It will be interesting to see what tomorrow brings**”

# 2. Share Trading API

Can you make money buy trading against the share trading API?

<https://sharetradingapi.azurewebsites.net>

Steps are….

Create an account (take note of your account number)

Then purchase / sell shares in one of the products

There is some example code (C#, Java and Python) in <https://github.com/YorkCodeDojo/ShareTrading/tree/master/Examples>