SCOTT LOGIC

ALTOGETHER SMARTER

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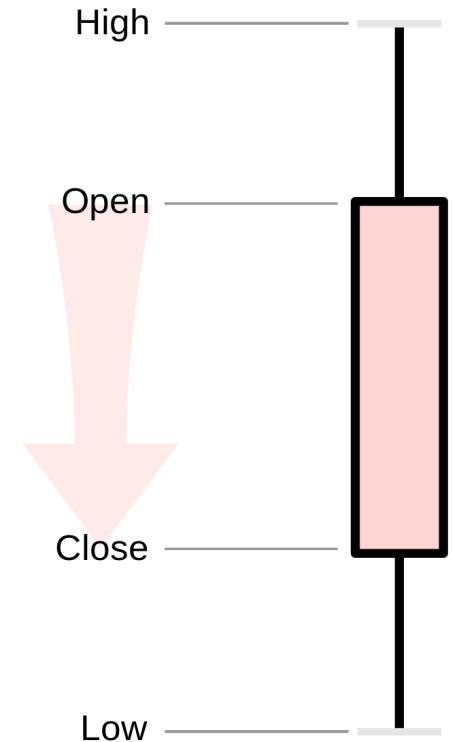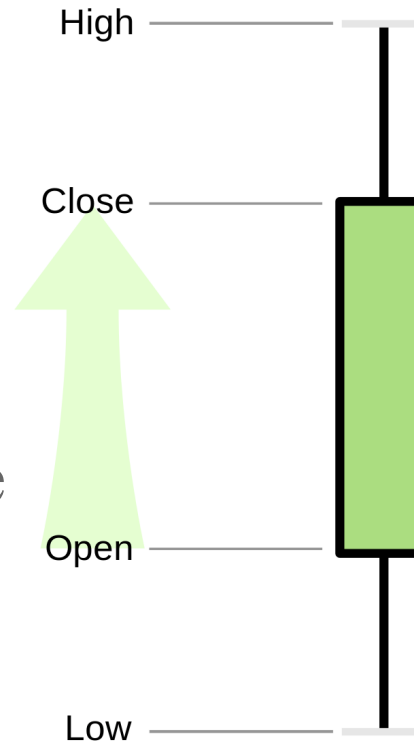ALTOGETHER SMARTER

The challenge… beat the stock market!

• Write an algorithm that buys and sells shares to make a profit.

• Your algorithm runs once every day for 12 months and is given daily share prices for a company.

• Each day you must decide whether it is a good time to buy or sell shares to make the most money.

• The team with the highest total profit wins!

What are shares?

• Each share represents ownership of a company and has a price.

• Everyday a share has a high, low, open and close price for that day.

How do I buy/sell shares?

- Everything you need is inside two classes:
  - TradeManager:
    - list of methods that can buy or sell shares
  - DailyInput:
    - list of method that gets the share prices.

- When you decide to buy or sell shares we make the sale or purchase using the close price from that day.

- Each time your algorithm runs it starts off with £10,000.

Instructions

Install from instructions on our github page:

https://github.com/ScottLogic/Hackathon/tree/development

How do we find out our results?

- Console

- Graph located in output/hackathon.html.

Submitting your solution

- Email your output hackathon.html to:

apolkinghorn@scottlogic.co.uk

To finish…

Any questions?