Q1. What is the distinction between a numpy array and a pandas data frame? Is there a way to convert between the two if there is?

Ans: Numpy Ndarray provides a lot of convenient and optimized methods for performing several mathematical operations on vectors.

Pandas Dataframe is an in-memory 2-dimensional tabular representation of data. In simpler words, it can be seen as a spreadsheet having rows and columns.

Conversion : Dataframe=pandas.DataFrame(array)

Q2. What can go wrong when an user enters in a stock-ticker symbol, and how do you handle it?

Ans:

Q3. Identify some of the plotting techniques that are used to produce a stock-market chart.

Ans: Bar chart, Line Chart are used for plotting.

Q4. Why is it essential to print a legend on a stock market chart?

Ans: Legend will help comparison between different stocks, so will be essential on a stock market chart

Q5. What is the best way to limit the length of a pandas data frame to less than a year?

Ans: You can use start and end parameters for this. Write the start date first and the end date last. You can limit the period within this range. You can also use parameters such as duration to specify how often you want the duration, or you can use the frequency parameter.

Q6. What is the definition of a 180-day moving average?

The 180-day moving average is plotted as a line on the chart and represents the average price over the last 180 days. Moving averages give the trader a sense of whether the trend is going up or down while also identifying potential areas of support or resistance.

Q7. Did the chapter's final example use "indirect" importing? If so, how exactly do you do it?

Ans: Yes, in another module