1. 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.
Conversion : Dataframe=pandas.DataFrame(array)

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

Ans:

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

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

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

Ans: Legend helps compare different stocks

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

Ans: by specifying data range (pd.date_range()).

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

Ans: The 180-day moving average is represented as a line on charts and represents the average price over the past 180 days. The moving average can give traders a sense regarding whether the trend is up or down, while also identifying potential support or resistance areas.

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

Ans: