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=> The Pandas module mainly works with the tabular data, whereas the NumPy module works with the numerical data. ... NumPy library provides objects for multi-dimensional arrays, whereas Pandas is capable of offering an in-memory 2d table object called DataFrame. NumPy consumes less memory as compared to Pandas

pandas.DataFrame.to\_numpy

pd.DataFrame we can convert them to each others form.

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

Ans=>it can change value according to time.

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

Ans=>we can use matplotlib to plot data using pandas

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

Ans=>because there are lines and colors so legend is used for users interaction so that he can understand

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

Ans=>we can add DatetimeIndex and provide date

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

Ans=>180 day moving average would average out the closing prices for the first 180 days

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

Ans=>