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: array is the sequence of data pandas dataframe is table formatted data. We can convert multidimensional array into pandas dataframe

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

Ans: How do you use a stock ticker? Reading the Ticker Tape The unique characters used to identify the company. The price per share for the particular trade (the last bid price). Shows whether the stock is trading higher or lower than the previous day's closing price. The difference in price from the previous day's close.

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

Ans: we can use line chart for plot the trend and candle stick plot for analysing the stock market chars also we can use pie chart for analysing top companies

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

Ans: to check which axis will contain what data in stock market.

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

Ans: we can use df[df[“colname”]<year] condition to limit the length of pandas dataframe

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

Ans: Moving averages are widely used in technical analysis, a branch of investing that seeks to understand and profit from the price movement patterns of securities and indices. Generally, technical analysts will use moving averages to detect whether a change in momentum is occurring for a security, such as if there is a sudden downward move in a security's price.

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

Ans: