**Assignment\_25**

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 numerical data. Yes, it can be converted : Dataframe.to\_numpy().**

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

**Ans: A ticker symbol change really means nothing, the investor, in the grand scheme of things. The change doesn’t do anything to market or to the way you execute trades.**

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

**Ans: line chart , bar chart , point and figure chart and candlestick chart.**

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

**Ans: Because the legend displays information about the points that are currently hovered over.**

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

**Ans: import pandas as pd**

**drinks = pd.read\_csv(“”)**

**print(drink.info(memory\_usage=”deep”))**

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

**Ans: It’s considered a bearish signal indicating a likely downward trend in the stock.**