Assignment 2

1) Classify each of the data elements in the Sales Transactions database as categorical, ordinal, interval or ratio data.
2) In the Purchase Orders dataset,
   a. Smallest and largest quantity of any item ordered
   b. Total order costs
   c. Average number of months per order for accounts payable
   d. Number of purchase orders placed
   e. Number of orders placed for O-rings
   f. Number of orders with A/P term shorter than 30 months
3) In Sales Transactions Excel file,
   a. Find the transaction code and payment type for customer ID 10005.
   b. Find the transaction code for customer id – 10007.
   c. Find whether transaction code 10001 exist in the file.
4) Create line chart for the closing prices in the Excel file S&P 500.
5) Create a pie chart showing the breakdown of occupations in the Science and Engineering Jobs Excel file.
6) The Excel file Facebook Survey provides data gathered from a sample of college students. Create a scatter diagram showing the relationship between Hours online/week and Friends.
7) Find the 10th and 90th percentiles and the 1st and 3rd quartiles for the time difference between the scheduled and actual arrival times in the Atlanta Airline Data Excel file.
8) Construct frequency distributions and histograms for the numerical data in the Excel file Cell Phone Survey. Also, compute the relative frequencies and cumulative relative frequencies.