This is due by midnight, Sunday, June 26. Please answer the questions below in four Excel Workbooks. Name the workbooks as "HW 6 Excel Question 1", "HW 6 Excel Question 2" and so on. Name the worksheets as Documentation, Original Data Q1, Q1Solution or Q3 a, Q3 b1 …Q3 b3 , etc.

EXCEL

Question 1. The **Makeupsortfont.xlsx** file contains your makeup data with certain dates show in blue, red or brown font. Sort the data so the brown dates are on top, followed by red dates and then blue dates.

Question 2. Using the **Tableexample.xlsx** file, set things up so that each salesperson's rank according to total revenue and units sold is included in the worksheet. Additionally, add a column showing the price rank. Display the resultant data sorted in descending order by price rank. Next, display the average revenue at the bottom of the table, formatted to 2 decimal places and appropriately titled. If new data is included, your ranks should automatically update. (You might find it convenient to use the RANK.EQ function. This function yields the rank of a number in a range array: rank = 1 is the largest number.)

Question 3. The problems a & b below use the file **Real Estate Data.xlsx**. Please have a separate sheet in your workbook for each problem and sub problem. You should start with a fresh copy of the data on all solution sheets.

a. Create an Excel table and find the total value of all homes not sold in the file **Real Estate Data.xlsx**.
b. Using Advanced Filter Criteria and the file **Real Estate Data.xlsx**, please solve the following requests for information.

1. A single family home with a pool (Filter the list in place).
2. A single family home listed in April, start your list in cell N8. (Copy to another location).
3. A condo with a square footage of at least 1800 or a single family home priced less than 250000, start your list in cell N8. (Copy to another location).

VBA

Question 4. (This uses VBA commands InputBox, MsgBox, Dim, For Next, If Then Else, Cells, Option Explicit and a button)

The file **PriceData.xlsx** has a single sheet that lists all 128 of your products by product code. For each product, it lists the unit price and a discount percentage the customers receive if they purchase at least a minimum quantity of the product. For example, the discount for the first product is 7%, and that is obtained if the customer purchases at least 20 units of the product. Write a sub that asks for the number of products you have with an input box. It then ask for a product code. Finally, it should ask for the number of units purchased, which must be a positive number. Your sub should then use a For Next loop to search through your product list to find the product entered. If it finds a match, it should display in message something like the following: "You purchased ___ units of product ___. The total cost is ___. Because you purchased at least ____ units, you get a discount of ____% on each unit." (Replace the underscored areas with the correct values.) The last sentence should not be displayed if the user did not purchase enough units to get a discount. If you do not find a match, your sub should display a message such as "Product not found."