This will be the File and Exception Assignment # 1

For this assignment you will complete **points** **a and b** of exercise 9.16 on page 352 of your textbook. Go to Kaggle.com to download the required csv file. **15 points**

Next, you will create the following menu

Menu

1. Display First Seven Rows

2. Display Last Seven Rows

3. Calculate Descriptive Statistics for “Carat”

4. Calculate Descriptive Statistics for “Cut”, “Color” and “Clarity”

5. Display Unique Category Values for “Cut”, “Color” and “Clarity”

6. Display Histogram of each Numerical Column

7. Exit Program

Enter your choice:

**If a user enters a value other than 1 thru 7, display a message that tells them their entry was invalid and ask that they renter a correct value . 10 points**

Details about each menu option:

1. Display First Seven Rows

Complete **point c** of the exercise and display results **10 points**

2. Display Last Seven Rows

Complete **point d** of the exercise and display results **10 points**

3. Calculate Descriptive Statistics for “Carat”

Complete **point e** of the exercise and display results

4. Calculate Descriptive Statistics for “Cut”, “Color” and “Clarity”

Complete **point f** of the exercise and display results **15 points**

5. Display Unique Category Values for “Cut”, “Color” and “Clarity”

Complete **point g** of the exercise and display results **15 points**

6. Display Histogram of each Numerical Column

Complete **point h** of the exercise and display results **15 points**

7. Exit Program

Display a good-bye message and terminate the program

**Grading Criteria**:

* Shown next to each required point in instructions above
* Pseudocode and block comment **10 points**