Midterm Practice P4

Submit the source code and a sample run matching the one provided below via D2L.

A gas station wants a program to keep track of sales. Your gas station sells diesel for 107.9 cents per litre and regular gas for 112.9 cents per litre. Have the user enter the type of fuel (1 = Regular gas, 2 = Diesel) and number of litres sold. Print out a total for each sale (remember fuel prices already include the GST). Once you enter a 0 for the type of fuel your program should stop and print out a table summarizing the totals for each fuel type as shown in the print out below

Round the appropriate values using Math.round(). Your program SHOULD displayed rounded output and display the results neatly in a format similiar to the output shown below. User input is shown as **bold underline.**

Bonus: Solve using pennies for all financial calculations.

Enter type of sale (1=Regular, 2=Diesel, 0=exit): **1**

How many litres? **40.2**

Regular Gas

Litres Sold = 40.2

Sale total $45.39

Enter type of sale (1=Regular, 2=Diesel, 0=exit): **2**

How many litres? **100**

Diesel

Litres Sold = 100.0

Sale total $107.90

Enter type of sale (1=Regular, 2=Diesel, 0=exit): **2**

How many litres? **5**

Diesel

Litres Sold = 5.0

Sale total $5.40

Enter type of sale (1=Regular, 2=Diesel, 0=exit): **1**

How many litres? **10**

Regular Gas

Litres Sold = 10.0

Sale total $11.29

Enter type of sale (1=Regular, 2=Diesel, 0=exit): **0**

Station Totals

Type Litres Total

Regular 50.2 56.68

Diesel 105.0 113.30

Totals 155.2 169.98