This lab will review creating project in Visual Basic for console application, solving problem, writing algorithm and code.

1) First do the three step analysis to solve following problem: You buy some groceries and at checkout you are eligible for a discount based on the amount you have spent. If you spend more than $150 you get a 15% discount off your total price. If you spend more than $100 you get a 10% discount off your total price and no discount if under $100. Calculate what the percent discount will be, based off the amount you spend, then display the new total of what you owe and what your discount is.

2) Then write an algorithm to solve this problem. Once algorithm is written please show me before go on.

3) Next take the algorithm and convert it to a VB console application and enter and run your program. Make sure Option Strict is On. Also capture your output and paste to bottom of your source code. Make sure name at top and print it off to show me. Need use FormatPercent and FormatCurrency to get full credit. Sample output shown below:

Please enter your total Grocery Bill 234.67
New bill total is now $199.47
And your percent discount is 15.00%

4) For this part you can just add the code to the bottom of your existing code or create a new file. Have the user enter a real number with at least four digits to left of decimal point and three to the right. Then using FormatNumber, display the number in two different ways. One is with grouping and one decimal point the other is with no grouping and two decimal points shown. Sample out shown below:

Now we will format some numbers
Please input at least four digit number with 3 decimal places
45674.5687
With grouping and one decimal 45,674.6
No grouping and two decimals 45674.57