**CSC160 Programming Fundamental II – First Programming Assignment**

Make the following improvements to the InvoiceApp.java program:

* Add a program header comment that includes the following:
  + Description
  + Programmer’s name
  + Date Written
  + GitHub repository URL
* Move all variables to the start of main
* Make sure all variable names are meaningful and camelCased
* Initialize all variables
* Instead of simply prompting the user for a subtotal amount
  + Prompt the user for the number of line items
  + Include a for loop to allow the user to enter each line item amount
  + Add each line item amount to the subtotal amount (do this inside the looping)
* Align the ALL totals using the System.out.printf() to align the totals. Code example:



NOTE: this code example doesn’t show ALL totals so make sure you include them too

* Add whitespace and dash lines to make the console output user-friendly
* Make sure that 30% of the code is properly document (including new code)

Other assignment requirements:

* Add me (dejohns2) as a collaborator to your class repository
* It's very important to commit and push your code to GitHub **multiple times** with meaningful comments.
* Attach your complete Java program to this assignment, along with a text file of your console output
* Include a assignment reflection in the assignment comment area

Help with Java’s System.out.printf()

* <https://youtu.be/g_BsIuRVfvk>
* <https://www.baeldung.com/java-printstream-printf>
* <https://www.jquery-az.com/10-examples-learn-java-string-formatting-printf-method/>

Example of user-friendly console output:

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Welcome to the Invoice Total Calculator v2

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Enter the number of line items: 3

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Enter the #1 line items: 100.55

Enter the #2 line items: 35.3

Enter the #3 line items: 1

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Subtotal: 136.85

Discount percent: 0.10

Discount amount: 13.69

Invoice total: 123.16

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Continue? (y/n): y

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Enter the number of line items: 2

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Enter the #1 line items: 30056.10

Enter the #2 line items: 23454.0

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Subtotal: 53,646.95

Discount percent: 0.20

Discount amount: 10,729.39

Invoice total: 42,917.56

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Continue? (y/n): n

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Good Bye :(