[**Console App: Bill, Tip & Tax**](https://dmacc.blackboard.com/webapps/assignment/uploadAssignment?content_id=_7287037_1&course_id=_102593_1&group_id=&mode=view)

Write a Console App that calculates a total bill at for two meals at a restaurant, then divides the check between the individuals dining. No user input is required (yet); you'll get to add that in a future assignment. Name your project  **BillTipTaxYourLastName**.

First declares variables for tax rate, tip percentage, two different meals, two different desserts, tax, tip, subtotal, total and total per person. Decide which variables should be constants (HINT: there are two)

At the top of your Main method in your program

1. Declare and initialize constants
2. Declare and initialize variables two for the meals, two for the desserts
3. Declare variables subtotal, tax, tip, total and total per person

Next, calculate the total bill in the following way:

1. Calculate the subtotal of the meals and the desserts, storing it into the subtotal variable
2. Calculate the tax, using a tax rate of 7%, from the subtotal, storing it in the tax variable
3. Calculate the tip, using a tip rate of 20%, from the subtotal, storing it in the tip variable
4. Calculate the total bill
5. Calculate what each individual should pay, storing it in total per person (NOTE: do not use a Magic Number!)
6. Print the subtotal with a dollar sign ($)
7. Print the tax with a dollar sign ($)
8. Print the tip with a dollar sign ($)
9. Print the total bill with a dollar sign ($)
10. Print the total per person with a dollar sign ($)

Example output:

|  |  |
| --- | --- |
| **Example One**  Subtotal: $45.459999999999994  Tax: $3.1822 Tip: $9.091999999999999  Total: $57.734199999999994  Per person :$28.86709999999999 | **Example Two**  Subtotal: $21.36  Tax: $1.4952  Tip: $4.272  Total: $27.127200000000002  Per person :$13.563600000000001 |

Make sure you do not use Magic Numbers. Also, use informative messages as seen above, not merely numbers. Include your Academic Honesty Header (see Course Success Guidelines folder for further instructions).

Do not worry about the numbers running on. For 2 points extra credit, you can format the numbers to print only 2 decimal places for all output.

Submit your Program.cs with Academic Honesty Header.

This is 20 points. Refer to the rubric for point break-down of the Assignment.