

## Assignment #4: BIT 1400

Due Monday Nov 18, 2013 11:59 pm

You need to add up your grocery bill!

In this program you will be storing the price for up to 10 items from your grocery bill and then using a function to add up your bill. For this assignment you will be required to submit 1 program. Please submit your .cpp file by the deadline above.

Write a C++ program that does the following.

1. Create a variable named total (double floating point), a constant double variable named TAX=1.13.
2. Create and 10 element array of doubles (with a constant size declarer) and use an initialization list to set all the elements to zero.
3. Query the user to enter the price of up to ten items in the array (using a while loop). Have the user enter -99 to end entering data (if they choose to enter less than 10 items).
4. Call a function named sumall (which has a prototype before the main function and is defined after the main function) and pass the array and array length into it. The sumall function sums all the elements of the array and returns the total. Assign the output of the function to the variable 'total'.
5. Have the computer tell the user the total of the bill plus tax.

```
Please enter the prices:
45.67
34.23
67.89
12.34
-99
The total, including tax, for all your groceries is $180.95
```