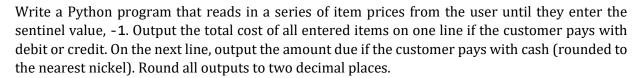
CITC-1301 Introduction to Programming

Chapter 4 Lab - No more Canadian Pennies!

The Canadian penny died on February 4, 2013. That was the last day pennies were distributed by the Royal Canadian Mint. Since pennies have been phased-out, retailers must adjust sales totals to multiples of 5 cents when customers pay with cash. Interestingly, transactions paid with credit and debit cards are still charged to the penny.



While retailers have some freedom in how this policy is implemented, most choose to round to the nearest nickel.





One way to calculate a cash payment is to begin by determining how many pennies would be needed to pay a total. Then, calculate the remainder when this number of pennies is divided by 5. Finally, adjust the total down if the remainder is less than 2.5; otherwise, adjust the total up.

Example outputs:

```
This program calculates the total cost of a series of items based on the Canadian payment method.
Enter -1 to stop entering item prices.
Item 1: $ 1.01 [ENTER]
Item 2: $ 1.02 [ENTER]
Item 3: $ -1 [ENTER]
Credit/debit: $2.03
Cash: $2.05
This program calculates the total cost of a series of items based on the Canadian payment method.
Enter -1 to stop entering item prices.
Item 1: $ 1.01 [ENTER]
Item 2: $ 1.02 [ENTER]
Item 3: $ 1.03 [ENTER]
Item 4: $ -1 [ENTER]
Credit/debit: $3.06
Cash: $3.05
This program calculates the total cost of a series of items based on the Canadian payment method.
Enter -1 to stop entering item prices.
Item 1: $ 1.01 [ENTER]
Item 2: $ 1.02 [ENTER]
Item 3: $ 1.03 [ENTER]
Item 4: $ 1.04 [ENTER]
Item 5: $ -1 [ENTER]
Credit/debit: $4.10
Cash: $4.10
```

Submission Instructions

• Upload your Python script (i.e., your .py file) to the appropriate dropbox on eLearn.