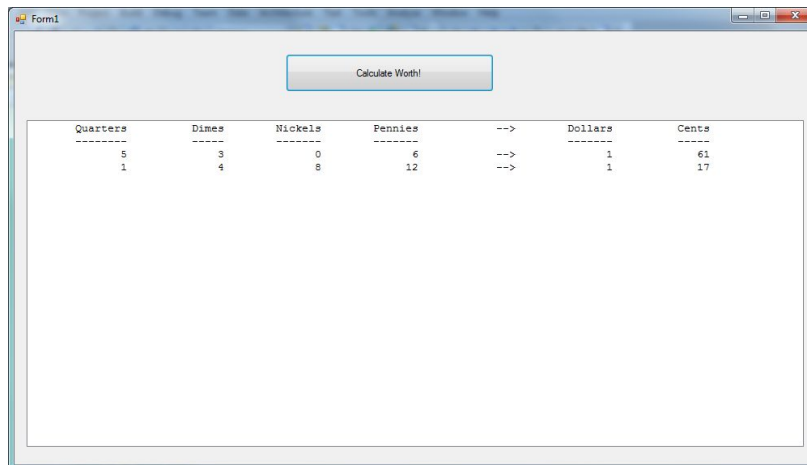


CS 146 Assignment 4

You will be writing a program that converts change (quarters, dimes, nickels and pennies) into whole dollars and the cents remaining. A sample run is shown below. You will be reading this information from a file (C:\Change.txt) that looks like the following:

```
5
3
0
6
1
4
8
12
```

Each set of four lines corresponds to the number of quarters, number of dimes, number of nickels and number of pennies a person has. After you have read in a set of data, you should calculate the total cents value of how much money the person has. Using the Int function, you will be able to calculate the whole number of dollars from the total cents value. Subtracting the whole number of dollars * 100 (cents) from the total cents value, will give you the cents left over after the whole dollars have been taken out. Print out the original currency amounts along with your solution to the dollars/cents version of each change set. Here's the output for the first couple of sets of data:



The screenshot shows a Windows Form titled 'Form1'. At the top center is a button labeled 'Calculate Worth!'. Below the button is a table with two columns of headers: 'Quarters', 'Dimes', 'Nickels', 'Pennies' on the left, and 'Dollars', 'Cents' on the right. There are three rows of data. The first row shows 5 quarters, 3 dimes, 0 nickels, and 6 pennies, which converts to 1 dollar and 61 cents. The second row shows 1 quarter, 4 dimes, 8 nickels, and 12 pennies, which converts to 1 dollar and 17 cents. The third row is empty.

Quarters	Dimes	Nickels	Pennies	-->	Dollars	Cents
5	3	0	6	-->	1	61
1	4	8	12	-->	1	17

You'll need to ensure that you handle all of the sets of data that are in the data file.

You will need to print out a copy of your source code and turn it and your flowchart in during class. You will also need to electronically submit your zipped program via the Assignment tab in VSpace. Make sure that you adequately comment your program following the commenting style we discussed in class.