Programming I
Overview of C++ - Data Types and Variables
Program #5 – coins

It's now time to start writing programs of your own from scratch. You can use the programs and samples I've given you so far as a guide to get the overall structure of the program you want to write. It also might not be a bad idea to create a template that has common items already entered such as compiler directives, the main program, etc.

You are to write a program that does the following:

1) Ask the user to input the name of the person who is having their change jar (coins) counted.

2) Asks the user to input the number of each of the different types of coins in a change jar.

3) Computes the total amount (in dollars) of the change in the jar.

4) Outputs the user's name and tells them how much the collection is worth.

5) The output should be well formatted to reflect the data (money).

Keep in mind that as your first fully typed program it needs to be well written and well documented using the conventions that you have seen in the example programs so far. Sloppy or hard to follow code will be docked points. Appropriate variable types, outputting format, etc. will also be considered. Remember that everyone is held to ethical standards of programming as well!

When you run your program for submission you should use the following data:

Pennies: 143
Nickels: 75
Dimes: 110
Quarters: 88