



Introduction to Computing CS 151

Department of Physics and Computer Science
Medgar Evers College

Quiz 07 - Problem Solving

Direction: Modify the file named "quiz07.cpp" and submit it in the Quizzes directory of your GitHub repository or Dropbox; or in your Quiz07 google classroom assignment.

The struct **Wallet** is defined as follows

```
struct Wallet
{
    unsigned int bills[6];
    unsigned int cents[4];
};
```

where the values of the elements of *bills* represent the count of 1 dollar bills, 5 dollar bills, 10 dollar bills, 20 dollar bills, 50 dollar bills and 100 dollar bills respectively (i.e if *bill* = {4, 5, 2, 0, 3, 7}, then it means there are 4 one dollars, 5 five dollar bills, 2 ten dollar bills, no twenty dollar bills, 3 fifty dollar bills, and 7 hundred dollar bills); and, the values of the elements of *cents* represent the count of pennies, nickels, dimes, and quarters respectively. For this quiz, your objective is to write the definition of the function **CashAmount** whose header is

```
double CashAmount(Wallet& wt)
```

It returns the cash value of the total of the bills and cents in *wt*. For instance, if *wt* = {{8, 1, 10, 5, 2, 3}, {0, 4, 3, 8}}, the function will return 615.50.