CS 003 - FUNDAMENTALS OF COMPUTER SCIENCE II (C++)

Lab9

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CS 003A LABS

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Problem 1.

◆ Define a class called **Wallet** that represents number of quarters, number of dimes, number of nickels, and number of pennies. You should write a main function.

S 003 LAB1

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```
Enter the number of quarters for w1 : 10
Enter the number of dimes for w1 : 2
Enter the number of nickels for w1 : 5
Enter the number of quarters for w1 : 3
Enter the number of dimes for w1 : 4
Enter the number of nickels for w1 : 2
 Enter the number of quarters for w1 : 5
                                                                       Enter the number of quarters for w1 : 4
Enter the number of quarters for w2 : 4
Enter the number of dimes for w2 : 5
Enter the number of nickels for w2 : 3
Enter the number of quarters for w2 : 2
                                                                       Enter the number of quarters for w2 : 10
Enter the number of dimes for w2 : 3
                                                                       Enter the number of nickels for w2 : 3
Enter the number of quarters for w2 : 7
 W1 :
                                                                               10 quarters
2 dimess
        3 quarters
         4 dimess
         2 nickels
                                                                               5 nickels
         5 cents
                                                                               4 cents
              -> amount = $1.3
                                                                                   --> amount = $2.99
W2:
4 quarters
5 dimess
3 nickels
                                                                               10 quarters
3 dimess
                                                                               3 nickels
                                                                               7 cents
             --> amount = $1.67
                                                                                     -> amount = $3.02
 w2 amount is greater than w1
                                                                        w2 amount is greater than w1
 Create new Wallet w3 by adding w1 and w2
                                                                        Create new Wallet w3 by adding w1 and w2
        7 quarters
9 dimess
                                                                               20 quarters
5 dimess
         5 nickels
                                                                               8 nickels
         7 cents
                                                                               11 cents
              -> amount = $2.97
                                                                                      > amount = $6.01
```

```
double x = 2.5678;
double y = 3.28153;
double z = 5.1194;

cout.setf(ios::fixed);
cout.precision(3);
cout << "x : " << x << endl;

cout.precision(4);
cout << "y : " << y << endl;

cout.precision(1);
cout << "z : " << z << endl;
</pre>
x : 2.568
y : 3.2815
z : 5.1
x : 5.1
x : 2.568
x : 3.2815
x : 5.1
x : 5.1
x : 688
x : 688
x : 7.568
x : 888
x : 888
x : 888
x : 988
x : 988
x : 188
x : 2.568
y : 3.2815
y :
```



