**Purse- Array List lab**

**Partner 1 – Purse and Coin**

**Partner 2 – Client code**

Create a purse class/object and populate with at least 5 coins equaling more than a dollar.



Purse has an Arraylist of Coins as private Data

ArrayList <Coin> pocket = new ArrayList()

getTotal()

toString() display total number of each coin and total amount in purse

 5 Penny .01

4 Nickels .05

3 Dimes .10

2 Quarters .25

Total $1.05

int getNumberofDimes()

int getNumberofPenny()

int getNumberofNickels()

int getNumberofQuarters()

Coin is a class from past chapters.

You will have to add private data and public methods to coin

int or double value

char or int type (P – Penny, N – Nickel, D – Dime, Q- Quarter)

getValue()

getType()

edit toString () to display value and type

Penny .01

Ask the user to add and subtract coins to the purse.

Menu in Client code

A – Add a Coin

R – Remove a Coin

? – Display Purse

What type of coin?

P - Penny,N – Nickel ,D - Dime,Q - Quarter

Turn in:

Submit URL Repo

Output of : (paste sample output in outputpurse.txt)

Display all of the coins and the total in the purse.

Add and Remove at least 2 coins each.



Display all of the coins and the total in the purse.