

Lab 3

Upload the Lab3.zip file from BrightSpace to your computer, and then uncompress Lab3.zip.

The Lab3 folder contains three file:

- ✓ Coin.java (the complete Coin class implementation),
- ✓ Purse.java (the partial Purse class implementation), and
- ✓ PurseTester.java (a program to test the Purse class).

For this lab, you should complete the Purse class implementation, and test it using the PurseTester program.

A purse contains a collection of coins. The class Coin is provided and documented.

The class Purse stores the coins as an ArrayList of Coin objects.

You should do the following:

- ✓ Supply a constructor for the Purse class.
- ✓ Fill the "missing code", i.e. the implementation of Purse methods. Look at the comments provided for both Coin and Purse classes.

Please note:

- ✓ The equals method of the Coin class has been implemented and can be used.
- ✓ Check the Java API for ArrayList, you may use the methods that are not mentioned in the class.
- ✓ Test that your class Purse is correct with the PurseTester.java.

Submit a single zip (compressed) file containing:

- Purse.java (with the missing code included)

Marking Scheme:

- [10 marks] Complete Purse class