CSCI-101 Programming 1
Lab 15

INSTRUCTIONS

I. Create a directory named **lab15** in your **labs** directory.

II. Copy your **PickupTruck.java** file from your **lab14** directory into **lab15** directory.

III. Write a program in a class named **TruckInventoryApp** that satisfies the following:

A. Create a method named **printMenu** that prints to the screen the following menu:

```
1) Print trucks
2) Add truck
3) Export trucks
4) Quit

Choose option:
```

B. Create a method named **printTrucks** that takes an array of **PickupTruck** elements as an argument and prints the Strings returned by **toString** for each truck in the array.

C. Create a method named **addTruck** that has an array of **PickupTruck** elements named **array** as the first parameter and an integer named **count** as a second parameter. The parameter **count** specifies how many elements are currently stored in the array.

The method asks the user for a VIN, make, and model, then reads the data from the keyboard, creates an instance of **PickupTruck** with the data that was read, and adds the truck to the array.

D. Create a method named **exportTrucks** that has an array of **PickupTruck** elements named **array** as the first parameter and an integer named **count** as a second parameter. The parameter **count** specifies how many elements are currently stored in the array.

The method asks the user for a file name and creates a **PrintWriter** that can write to the file. The method then writes on the first line of the file the number of elements that are in the array (**count**). Then, for each element in the array, the method writes the VIN, make, and model to the file with commas separating them. Each truck should be written on a separate line of the file.

E. In **main** create an array that can hold 20 PickupTruck elements. Then repeatedly display the menu, read the value entered by the user, and perform the appropriate action.