Extra Credit Exercise # 1 Part B

REMEMBER THE RULES FOR SUBMISSION.

- Must finish this exercise in class.
- Must be shown to a TA or instructor and be reviewed for correctness before it gets submitted.
- Upon approval of both Part A and B, you can submit it on Blackboard as single zip file. Watch for a checkmark in the blackboard grade center next to your name.
- Lack of check mark will be interpreted as an unauthorized submission.

Now write the class client class for Drivers that you wrote for Part A. Name the class appropriately.

This class has two methods: a helper method and the main method.
The helper method is a NON STATIC method

//Write a help method whose signature is:

public int licenseFee(Driver dr)

//This method calculates the fee for the driver’s license. The fee is the product of the age times the drivers license divided by 10000 (ten thousands). Then the value 50 is added to the result.

//However, the fee cannot exceed 100 Therefore smallest of the two numbers is chosen as the fee (i.e. if the calculation above is 135.6 then the smallest number between 100 and //135 is chosen as the fee).

//The method returns the fee value as an int data type.

In the main method of this class write code to:

- Instantiate (create) two objects of the service class.
- Data for the first object should be provided command line. The data will be used in the non default constructor of the service class.
- The second object receives the data required by the non default constructor of the service class from the keyboard.
- Display on the screen the values of all the attributes for the first object.
- Display on the screen the value of the license fee for that object.
- Display on the screen the values of all the attributes of the second object.
- Display on the screen the license fee value for the second object.

1 Adapted from materials provided by George Koutsogiannakis (IIT)
Next write the code to determine if the two objects are equal or not and also display the result with the phrase “Command Line object is equal to Keyboard Object”, if the objects are equal, or “Command Line object is NOT equal to the keyboard object” if there are not equal.

Compile this class COMMAND LINE

Run the program COMMAND LINE.

DEMO this to the TA in CLASS. Do not leave without showing to your TA

AFTER you demo, upload the code as a zip file to blackboard.

SAMPLE OUTPUT

C:\CS116\SPRING2015\EXTRACREDIT\SolutionPracticeProgram1\Solution>java DriversClient George 19 1234 2.5
Please enter the name of the driver
George
Please enter the age of the driver
34
please enter the license number
1234
Please enter the years of driving
12.3
The name of the driver is: George The age is: 19 The license number is: 1234 The years of driving is: 2.5
The fee for the first object is 52
The name of the driver is: George The age is: 34 The license number is: 1234 The years of driving is: 12.3
The fee for the second object is 54
The command line object is equal to the keyboard object