**Introduction to Java Programming I (IT151)**

**Professor Dr. Mazen Alkhatib**

**Individual Project 5**

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**100% Understanding:**

This week we are finalizing our program after adding the ability to create multiple objects using an array and then running the computeAverageSales and computeShippingChargesg methods. In this finalization we are showing and displaying the program and how it functions. From start to finish.

First I created the individual objects but found that the array allows for a much smaller program I set the array parameters for only 3 allocated spaces to keep the temporary size of the program memory requirements low and being that we only need to create 2 objects for this assignment

**Pseudocode:**

START {

Create an array car[] in our main from our car class

Create Object 1 using the array from the car class

Display Object 1 attributes from user input

Create Object 2 using the array from the car class

Display Object 2 attributes from user input

Call computeAverageSales()

Call computeShippingCharges()

} END



**PROGRAM START** asks user for Car 1 color selection (user inputs red then selects OK)



Asks user for Car 1 seat selection (user inputs 2 then selects OK)



Asks user for Car 1 liters selection (user inputs 2 then selects OK)



Program outputs the user input data



Ask user for second object car 2 color selection (user inputs Blue and selects OK)



Ask user for second object car 2 seat selection (user inputs 4 and selects OK)



Ask user for second object car 2 liters selection (user inputs 3 and selects OK)



System outprints second object user inputs below the first object user inputs



Asks user for first item price (user inputs 1500 and selects OK)



Confirms current total and asks user if they would like to add second item price (user selects YES)



Asks user for second item price (user inputs 2000 and selects OK)



Confirms updated total and asks user if they would like to add another item price (user selects NO)



Program displays current average sales total



Because average sales were above 200, program displays high profit alert



Program asks user for shipping cost (user inputs 500 and selects OK)



Program displays current shipping total, asks user if there is a second shipping price (user selects NO)



Program displays shipping total



**PROGRAM END**



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EXAM ANSWERS

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