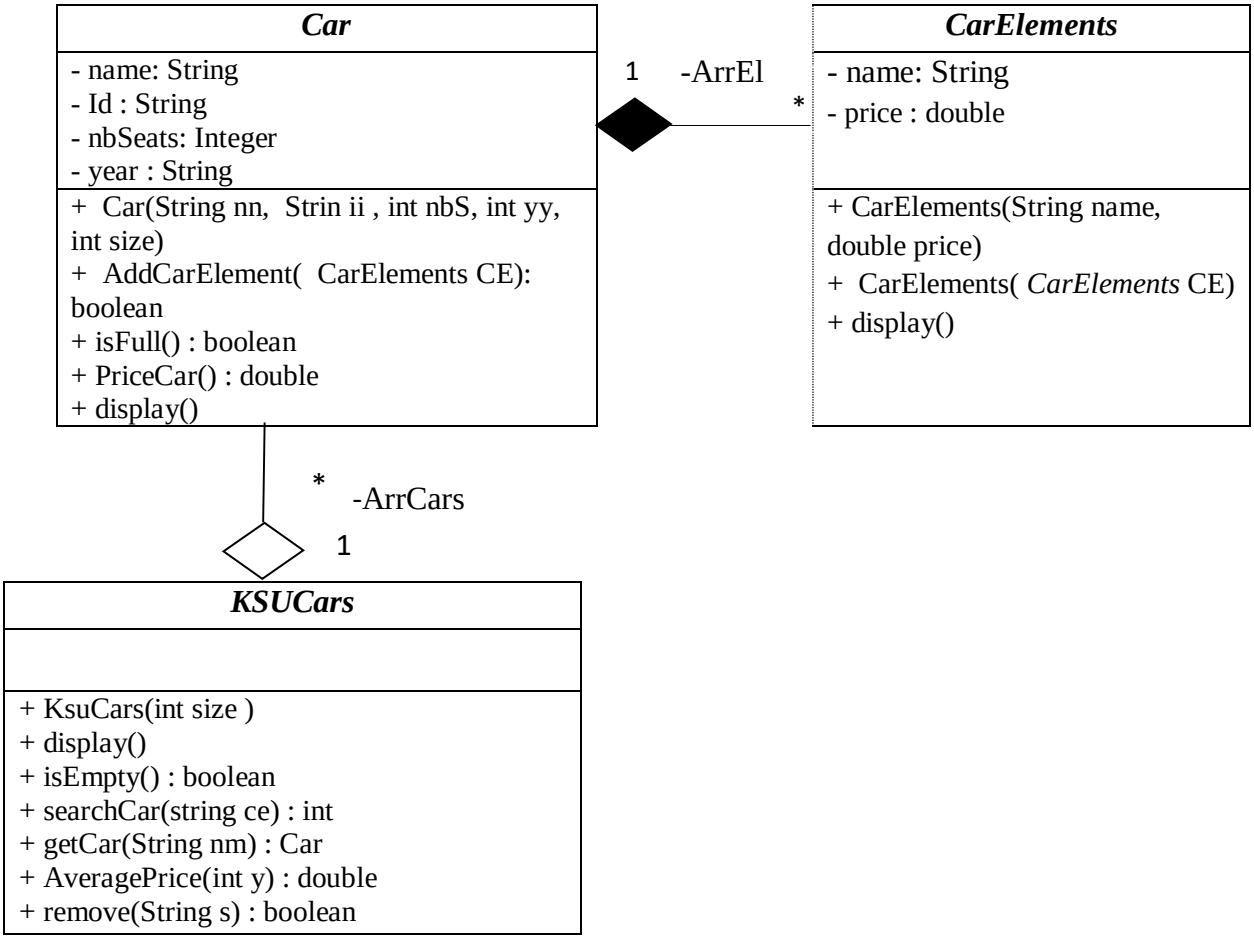
CSC 113
Homework 2
Relationship between Classes

Consider the above UML and read the following description.



Class CarElements:

display () displays the name and the price.

Class Car:

addCarElement (CarElements el): This method receives a CarElements object and adds it to the Car object.

isFull(): Returns true of the array is Full otherwise returns false.

priceCar(): Returns the sum of the CarElements price in an object of the class Car.

display (): Displays all the attributes of an object Car.

Class KsuCars:

display (): Displays all the attributes of an object KsuCars.

search (String ce): This method receives a String representing the name of a Car object and returns the array index of the car object.

getCar (String ii): This method receives a String representing the Id of a Car object and returns the Car object if it's exist.

removeCar (String s): Removes a Car according to its name. It will return a value true if the operation has been completed successfully, or false if not.

AveragePrice(int y): Calculates the average price of all cars in an object of class KsuCars that were produced after the year y.

Question:

Translate into Java code the classes ***CarElements***, ***Car*** and ***KSUCars***.

Write a main method to test all your methods.