Given the following UML diagram:
Description of the different classes:

Class Vehicle:
✓ The method display () displays the name and the id.
✓ + ……. (in ………) : if you need an other methods in this class you can add it.

Class CarElements:
✓ The method display () displays the code and the price.
✓ + ……. (in ………) : if you need an other methods in this class you can add it.
✓ You can’t add another constructor.

Class Car:
• seatNb  : Number of seats
• year : Production year of car
• ncel  : number of CarElements object currently in an object of the class Car.
• And other attribute(s) deduced from the UML diagram.

✓ display (): Displays all the attributes of an object Car.
✓ addElement (CarElements el): This method receives a CarElements object and adds it to the Car object.
✓ priceCar(): Returns the sum of the CarElements price in an object of the class Car.
✓ + ……. (in ………) : if you need an other methods in this class you can add it.

Class KsuCars:
• nbc: number of Car currently in an object of the class KsuCar.
• And other attribute(s) deduced from the UML diagram.

✓ 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 nm): 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 car in an object of class KsuCars that produced after the year y.
✓ + ……. (in ………) : if you need an other methods in this class you can add it.

Question: Implement all the classes with all their methods.