Create a TruckVehicle class. Use inheritance to extend from your Assignment 2b Vehicle class

```
54⊖
 55
 56
 57
              this.height = height:
              this.width = width;
 59
              this.cargoLength = cargoLength;
 60
 61
 62⊖
          * calculates the cargo area
 63
         public double calculateCargoArea() {
 65⊖
              return width * cargoLength;
 66
 67
 68
         public String toFormattedString() {
△69⊜
              String res = super.toFormattedString();
res += String.format("Truck height: %2.2f\tWidth: %2.2f\tCargo Length: %2.2f\nCargo Area: %2.2f\n",
 70
 71
              getHeight(), getWidth(), getCargoLength(), calculateCargoArea());
return res;
 73
 74
 75
 76⊜
           * @param args
         */|
public static void main(String[] args) {
 78
 79⊜
 80
              TruckVehicle truck = new TruckVehicle(5, 30, 36, "Chevrolet", "Colorado", 2009, "TEE 990", 10.0, 5.0, 20
              System.out.println(truck.toFormattedString());
 81
 82
 83
 84
 85 }

    Problems @ Javadoc    Declaration    □ Console    Console    □

                                                                                                             <terminated> TruckVehicle [Java Application] /Users/yiyizhou/.p2/pool/plugins/org.eclipse.justj.openjdk.hotspot.jre.full.macosx.x86_64_15.0.2.v20210201-0955/jre/bin
Brand: Chevrolet Model: Colorado Year: 2009 Number of passengers: Fuel Capacity: 30 KPL: 36.00 Range: 1080.00 License: TEE 990 Truck height: 10.00 Width: 5.00 Cargo Length: 20.00
Cargo Area: 100.00
```

Create a RentalAgencylO class: This class will permit Vehicle information to be stored (and possibly retrieved) from disk.BONUS (+5 pts) Implement the load() method functionality and read the contents written by your save() method back into a new Vehicle classes. Can you recreate the original Vehicle instances? What about a TruckVehicle class?

```
Eclipse - Example.java/src/edu/neu/csye6200/RentalAgencyIO.java - Eclipse IDE
module-info.jav
                                       HelloWorld.java

    RentalAgencylO. 

    ™
2

                                                          Vehicle.java
                                                                             VehicleTest.jav
                                                                                                 TruckVehicle.ia
                             } catch (FileNotFoundException e) {
                   125
                                e.printStackTrace();
                    126
                    127
                    128
                              return res:
                    129 }
                    130 public void test() throws IOException {
                             Vehicle minivan = new Vehicle(4, 15, 20, "Nissan", "Frontier", 2015, "BEE 234");

Vehicle sportscar = new Vehicle(2, 20, 18, "Ford", "Mustang", 2011, "ABV 789");

TruckVehicle truck = new TruckVehicle(5, 30, 36, "Chevrolet", "Colorado", 2009, "TEE 990", 10, 5, 20);
                    131
                    132
                    133
                              ArrayList<Vehicle> list = new ArrayList<>(Arrays.asList(minivan, sportscar, truck));
                    134
                              save(list, "src/edu/neu/csye6200/io/car.txt");
                    135
                              load("src/edu/neu/csye6200/io/car.txt");
                    136
                    137 }
                    138
                    139
                              * @param args
                    140
                    141
                              public static void main(String[] args) {
                    1429
                                  RentalAgencyIO io = new RentalAgencyIO();
                    143
                    144
                                  try{
                                      io.test():
                    145
                    146
                                  }catch(IOException e) {
                    147
                                      e.printStackTrace();
                    148
                             }
                    149
                   X X
                   <terminated> RentalAgencyIO [Java Application] /Users/yiyizhou/.p2/pool/plugins/org.eclipse.justj.openjdk.hotspot.jre.full.macosx.x86_64_15.0.2.v20210
                  File written successfully
                  file found, start reading lines
Brand: Nissan Model: Fro
                                           Model: Frontier
                                                               Year: 2015
                                                                                 Number of passengers: 4
License: BEE 234
                  Fuel Capacity: 15
                                             KPL: 20.00
                                                                Range: 300.00
                                                                                  Number of passengers: 2
License: ABV 789
                                           Model: Mustang
KPL: 18.00
                                                               Year: 2011
                  Brand:
                              Ford
                  Fuel Capacity: 20
                                                                Range: 360.00
                                                                Year: 2009 Number of passengers: 5
Range: 1080.00 License: TEE 990
                                            Model: Colorado
                                                                Year: 2009
                  Brand: Chevrolet
                  Fuel Capacity: 30
Truck height: 10.00
                                             KPL: 36.00
                                             Width: 5.00
                                                                Cargo Length: 20.00
                  Cargo Area: 100.00
```