**Lab6:** This is 4% of your over all marks. UPLOAD only .java files

Question:

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**INSTRUCTIONS: Make sure you follow all the instructions**

This program will be written using concepts of object , classes, constructors ,accessor mutators and inheritance

**Instruction for PARENT CLASS VEHICLE**

1. Create a class Vehicle:
   1. it will have 4 class variables Make ,model ,year and VINnumber and number .All 4 should be private. Also create accessor and mutator for all 4 private variable. That means you will have 4 get methods and 4 set methods.
   2. This class will have 2 constructor

default constructor –no parameter constructor

constructor with all 4 parameters

* 1. This class will have toString method . The return type of this method is string . This method will return the values of all class variables like make model year

1. Instruction of child Class Car :
   1. This class will have 2 private variabes: TyoeOfCar ,No of Passengers.These 2 variables will be private .
   2. Create get and set methods (accessors and mutators for both variables )
   3. This class will have 2 constructors
      1. Default constructor
      2. Constructor with 6 parameters : make,model,year,typeofcar,noopassengers
         1. For make model year call super constructor
         2. For type of car and no of passenger initialize current class variables
   4. This class will Override toString method . The return type of this method is string . Firsth call the super.toString and then return current class varibales.
2. **Create class TestVehicle:**
   1. Create 1st object of car using all 6 parameters.
   2. Now call to string method of the car.