Web Engineering Lab

Lab 04	Marks 100

Instructions

Work on this quiz/lab individually.

You are **NOT** allowed to use internet, mobile phone.

You are **NOT** allowed to borrow anything from your peer student.

What you have to do

Program the following tasks. The name of your files will be according to the task given in this lab.

Task   [100]

Create a small application for a car showroom. Include the following classes in the **package named as showroom.**

- Write a class **Sedan** with data members `int id, string model, string color, string brand, string price.` Provide a full parameterized `constructer`. Also write `accessors`, `mutators` for all data members.
- Write a class **SUV** with similar operations as for the above class.

(Make separate files for all the abovementioned classes and they should inherit from **Vehicle**).

Write a **Driver** class with array of **Vehicle**, and provide a menu to customer having options to see **sedan** or **SUV** information. On selecting option relevant data should be shown to customer. The **Driver** class must reside in a separate **package named as runner.**

Instructions:

- Sedan and SUV are the types of Vehicle.
- You can use `instanceof` operator to determine the type of car e.g.,   `if(obj instanceof ---){}`
- You can override `String toString()` method in your respective class to print the text description of the vehicle.

☺ ☺ ☺ **BEST OF LUCK** ☺ ☺ ☺