Design a **Car model class under package :package5** with the following attributes:

|  |  |
| --- | --- |
| **Member Field Name** | **Type** |
| licenceNumber | String |
| Model | String |
| currentMileage | Double |
| engineSize | Integer |

Mark all the attributes as private & Create default & parameterized constructors.

Design another **class as Main** under **package :package5**, where you need to implement logic as follows:

* Declare an array as Car with size N , where N is to be accepted from user.
* Take N Car’s information from user and store them in specified array.
* Call **sortCarList** method from **Main class** to get all cars information sorted based on Model name and display then within Main class after returning back from the specified method.
* From Main class car array need to pass within **sortCarList**  method which return sorted car array and then display all car information on console.

Design **sortCarList**  method in **Car class** as follows:

* it will take a car array and return car array
* it will sort array based on model value given in each car as its information.

output:

Enter the number of cars : 2

Enter licence number : b

Enter model : b

Enter Current Mileage : 1

Enter Engine Size : 1

Enter licence number : a

Enter model : a

Enter Current Mileage : 2

Enter Engine Size : 2

Licence number : a

Model : a

Current Mileage : 2.0

Engine Size : 2

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Licence number : b

Model : b

Current Mileage : 1.0

Engine Size : 1

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