

Assignment-7

Program:

```
package package4;
import java.util.Scanner;
class LicenseDetails{
    private String licenceNumber;
    private String model;
    private Double currentMileage;
    private int engineSize;

    LicenseDetails(String licenceNumber, String model, Double currentMileage,
int engineSize){
        setlicenceNumber(licenceNumber);
        setmodel(model);
        setcurrentMileage(currentMileage);
        setengineSize(engineSize);
    }
    public LicenseDetails() {
    }
    public void setlicenceNumber(String licenceNumber){
        this.licenceNumber=licenceNumber;
    }
    public void setmodel(String model){
        this.model=model;
    }
    public void setcurrentMileage(Double currentMileage){
        this.currentMileage=currentMileage;
    }
    public void setengineSize(int engineSize){
        this.engineSize=engineSize;
    }

    public String getlicenceNumber(){
        return licenceNumber;
    }
    public String getmodel(){
        return model;
    }
}
```

```

    public Double getcurrentMileage(){
        return currentMileage;
    }
    public int getengineSize(){
        return engineSize;
    }

    void findCarList(String model1, LicenseDetails[] arr){
        int x=0;
        for(int i=0;i<10;i++){
            if(arr[i].getModel().equals(model1)){
                System.out.println("\t\t Car details are \t\t");
                System.out.println("licenceNumber: "+arr[i].getlicenceNumber());
                System.out.println("model: "+arr[i].getModel());
                System.out.println("currentMileage: "+arr[i].getcurrentMileage());
                System.out.println("engineSize: "+arr[i].getengineSize());
                x+=1;
            }
        }
        if(x==0) {
            System.out.println("No cars found");
        }
    }
}

public class CarModels{
    public static void main(String[] args) {
        Scanner sc=new Scanner(System.in);

        LicenseDetails[] arr=new LicenseDetails[10];
        for(int i=0;i<10;i++){
            System.out.println("enter car "+(i+1)+" licno, model, mileage, engsize");
            String licenceNumber=sc.next();
            String model=sc.next();
            Double currentMileage=sc.nextDouble();
            int engineSize=sc.nextInt();

            LicenseDetails ld=new LicenseDetails(licenceNumber, model, currentMileage, engineSize);
            arr[i]=ld;
        }
    }
}

```

```
LicenseDetails licd=new LicenseDetails();
String st=sc.next();
licd.findCarList(st,arr);

sc.close();

}

}
```

Output:

```
enter car 1 licno, model, mileage, engsize
AHKQH87E397
audi
89
5712
enter car 2 licno, model, mileage, engsize
AJSHKJYEIWQU
audi
987
194
enter car 3 licno, model, mileage, engsize
ABDKJAHDKAHDK
benz
787
7970
enter car 4 licno, model, mileage, engsize
JFBKAKHDLKAJD
benz
9879
98
enter car 5 licno, model, mileage, engsize
VJAFVFKJAWGIWG
maruti
6127
637126
enter car 6 licno, model, mileage, engsize
BADKJDKGDASBDA
audi
```

768

7570

enter car 7 licno, model, mileage, engsize

JABKJCBAKHWAWDH

benz

6767

1517

enter car 8 licno, model, mileage, engsize

SKNFKJHDKWQHLOW

tata

88

876

enter car 9 licno, model, mileage, engsize

ABFJFKUHGDKUWGA

toyota

68

698

enter car 10 licno, model, mileage, engsize

DBAKJDWAKDGKMNA

benz

87

8698

benz

Car details are

licenceNumber: ABDKJAHDKAHDK

model: benz

currentMileage: 787.0

engineSize: 7970

Car details are

licenceNumber: JFBKAKHDLKAJD

model: benz

currentMileage: 9879.0

engineSize: 98

Car details are

licenceNumber: JABKJCBAKHWAWDH

model: benz

currentMileage: 6767.0

engineSize: 1517

Car details are

licenceNumber: DBAKJDWAKDGKMNA

model: benz

currentMileage: 87.0

engineSize: 8698