

Car.java

```
1// Cars
2
3package week3src;
4
5public class Car {
6
7    private String model;
8    private static int tankSize;
9    private double manfMPG;
10   private Name ownerName;
11
12
13   public Car() {
14       model = "";
15       tankSize = 0;
16       manfMPG = 0;
17
18   }
19
20
21
22   public Car(String model, int tankSize, double manfMPG, Name ownerName) {
23       super();
24       this.model = model;
25       this.tankSize = tankSize;
26       this.manfMPG = manfMPG;
27       this.ownerName = ownerName;
28   }
29
30
31   public String getModel() {
32       return model;
33   }
34
35   public void setModel(String model) {
36       this.model = model;
37   }
38
39   public int getTankSize() {
40       return tankSize;
41   }
42
43   public void setTankSize(int tankSize) {
44       this.tankSize = tankSize;
45   }
46
47   public double getManfMPG() {
48       return manfMPG;
49   }
50
51   public void setManfMPG(double manfMPG) {
52       this.manfMPG = manfMPG;
53   }
54
55   public Name getOwnerName() {
56       return ownerName;
57   }
58   public double estimateDistance() {
59       //there are 0.22 gallons per litre
```

```
60         return tankSize * manfMPG * 0.22; }    61
62     public void setOwnerName(Name ownerName) {
63         this.ownerName = ownerName;
64     }
Car.java
65
66     public boolean tankBigger(int size) {
67
68
69         if (tankSize > size) {
70             System.out.println("Inefficient Fuel Use");
71             return true;
72
73         }else if (tankSize < size) {
74             System.out.println("Good fuel consumption");
75             return true;
76         }else {
77             System.out.println("Average fuel consumption");
78             return true;
79         }
80
81
82     }
83
84
85 }
86
87
```