

```
1 /**
2  *
3  */
4 package week3Src;
5
6 /**
7  * @author patrickF
8  * @version 24/10/2022
9  *
10 */
11 public class Name {
12     // Attributes
13     private String firstName;
14     private String middleName;
15     private String surname;
16     // Up to 5 cars registered for the current name
17     private Car[] ownedCars = new Car[5]; // attribute capable of storing up to 5
    car objects for a Name
18
19
20     // Constructors
21     public Name() {
22         // Empty Constructor
23     }
24
25     public Name(String firstNm, String middleNm, String lastNm, Car[] cars) {
26         // Overloaded Constructor
27         this.firstName = firstNm;
28         this.middleName = middleNm;
29         this.surname = lastNm;
30         this.ownedCars = cars;
31     }
32
33     // Setters
34     public void setFirstName(String value) {
35         this.firstName = value;
36     }
37
38     public void setMiddleName(String value) {
39         this.middleName = value;
40     }
41
42     public void setSurname(String value) {
43         this.surname = value;
44     }
45     public void setOwnedCars(Car[] carValues) {
46         this.ownedCars = carValues;
47     }
48
49
50     // Getters
51     public String getFirstName() {
52         return this.firstName;
53     }
54
55     public String getMiddleName() {
56         return this.middleName;
57     }
58
59     public String getSurname() {
60         return this.surname;
61     }
62 }
```

```
62     public Car[] getOwnedCars() {
63         return this.ownedCars;
64     }
65
66     // Methods
67     /**
68      * Method to return the last name and firstname but with a comma in between.
69      *
70      * @return this.surname, this.firstname
71      */
72     public String getLastCommaFirst() {
73         return this.surname + ", " + this.firstName;
74     }
75
76     /**
77      * Method to return the full name of the person.
78      *
79      * @return this.firstname, this.middlename & this.surname;
80      */
81     public String getFullName() {
82         if (this.middleName != null) {
83             return this.firstName + " " + this.middleName + " " + this.surname;
84         } else {
85             return getFirstAndLast();
86         }
87     }
88
89
90     /**
91      * Method to return just the firstname and lastname.
92      *
93      * @return this.firstname this.lastname
94      */
95     public String getFirstAndLast() {
96         return this.firstName + " " + this.surname;
97     }
98
99
100
```