```java
 1 package model;
 2
 3 /**
 4  * Class Case to store details of a Case.
 5  * @author Daria Vekic (Student ID: 586661)
 6  *
 7  */
 8 public class Case {
 9
10     //Instance fields
11     private String title;
12     private CaseType type;
13     private String description;
14     private final Employee SOLICITOR;
15     private static int caseCount = 0;
16     private final String CASE_REF_NUM;
17
18     /**
19      * Constructor method to create a new Case.
20      * @param title - the title of the Case.
21      * @param type - the type of the Case.
22      * @param description - the description of the Case.
23      * @param emp - the Solicitor responsible for this Case.
24      */
25     public Case(String title, CaseType type, String description, Employee emp) {
26         this.title = title;
27         this.type = type;
28         this.description = description;
29         this.SOLICITOR = emp;
30         caseCount++;
31         this.CASE_REF_NUM = generateRefNum();
32     } //end constructor method
33
34     /**
35      * Method to generate a unique reference number for this Case.
36      * Makes use of counter field pre-incremented in constructor method.
37      * Formats the reference to contain 3 digits, a dash, and Case type.
38      * @return the formatted Case Reference Number.
39      */
40     private String generateRefNum() {
41         return String.format("%03d", caseCount) + "-" + this.type.toString();
42     } //end method genRefNum
43
44     /**
45      * Method to access this Case's CASE_REF_NUM.
46      * @return CASE_REF_NUM
47      */
48     public String getCASE_REF_NUM() {
49         return CASE_REF_NUM;
50     } //end method getCASE_REF_NUM
51
52     /**
53      * Method to access this Case's description.
54      * @return description
```

```
55        */
56      public String getDescription() {
57          return description;
58      } //end method getDescription
59
60      /**
61       * Method to access this Case's responsible Solicitor.
62       * @return SOLICITOR
63       */
64      public Employee getSOLICITOR() {
65          return SOLICITOR;
66      } //end method getSOLICITOR
67
68      /**
69       * Method to access this Case's title.
70       * @return title
71       */
72      public String getTitle() {
73          return title;
74      } //end method getTitle
75
76      /**
77       * Method to access this Case's type.
78       * @return type
79       */
80      public CaseType getType() {
81          return type;
82      } //end method getType
83
84      /**
85       * Method to create a String comprised of this Case's details.
86       * @return this Case's details.
87       */
88      @Override
89      public String toString() {
90          return "\nCase Reference Number : " + CASE_REF_NUM
91                  + "\nCase Title : " + title
92                  + "\nCase Type : " + type
93                  + "\nSolicitor Name : " + SOLICITOR.getFullName()
94                  + "\nCase Description : " + description;
95      } //end method toString
96 } //end class Case
97
```