

## TestNotes/pset1/Enumeration.java

```
1 // Enumeration.java
2
3 /**
4  * Switch statement using the traditional case syntax.
5  * PSET1: Exercise 3
6  *
7  * @author Kuljit Takhar
8  * @version Last modified 09_Sept_2023
9  *
10 */
11
12 import java.util.*;
13
14 class Enumeration {
15
16     enum Month { JAN, FEB, MAR, APR, MAY, JUN, JUL, AUG, SEP, OCT, NOV, DEC; }
17
18     public static int daysInMonth(Month m, int year) {
19
20         switch (m) {
21             case JAN:
22             case MAR:
23             case MAY:
24             case JUL:
25             case AUG:
26             case OCT:
27             case DEC:
28                 return 31;
29             case APR:
30             case JUN:
31             case SEP:
32             case NOV:
33                 return 30;
34             case FEB:
35                 if ((year % 4 == 0 && year % 100 != 0) || (year % 400 == 0)) {
36                     return 29;
37                 } else {
38                     return 28;
39                 }
40             default:
41                 return -1;
42         }
43     }
44
45     public static void main(String[] args) {
46         for (Month m : Month.values()) {
47             System.out.println(m + " 2023 has " +
48                 daysInMonth(m, 2023) + " days");
49         }
50     }
51 }
```