

```

1 package com.publiccept;
2
3 /**
4  * Main
5  */
6 public class Main {
7
8     /**
9      * main()
10     * @param args args
11     */
12     public static void main(String[] args) {
13
14
15         /*
16          * If-else example
17          */
18         int value = 2;
19         if(value == 1) {
20             System.out.println("value was 1");
21         } else if(value == 2) {
22             System.out.println("value was 2"); // value was 2
23         } else {
24             System.out.println("was not 1 or 2");
25         }
26
27
28         /*
29          * Switch-Example
30          *
31          * In Java versions up to v7, only primitive Types were supported.
32          * From v8, also Strings can be tested in the switch statement.
33          */
34         int switchValue = 3;
35
36         switch (switchValue) {
37             case 1:
38                 System.out.println("value was 1");
39                 break;
40
41             case 2:
42                 System.out.println("value was 2");
43                 break;
44
45             // shortcut for testing several cases
46             case 3: case 4: case 5:
47                 System.out.println("was a 3 or 4 or 5"); // was a 3 or 4 or 5
48                 System.out.println("actually it was a " + switchValue); // actually it was a 3
49                 break;
50
51             default:
52                 System.out.println("was not a value between 1 and 5");
53                 break;
54         }
55
56
57         /*
58          * Challenge: switch with char
59          */
60         char myChar = 'D';
61
62         switch(myChar) {
63             case 'A':
64                 System.out.println("was A");
65                 break;
66
67             case 'B':
68                 System.out.println("was B");
69                 break;
70
71             case 'C': case 'D': case 'E':
72                 System.out.println("was " + myChar); // was D
73                 break;
74
75             default:
76                 System.out.println("was not A, B, C, D or E");
77                 break;
78         }
79
80
81         /*
82          * Switch with Strings
83          */
84         String month = "January";
85         String monthInLowerCase = month.toLowerCase(); // String.toLowerCase() -> convert String to lower case
86
87         // String.toLowerCase(): Method of the class String to convert the String to lower case.
88         switch (monthInLowerCase) {
89             case "january":
90                 System.out.println("January"); // January
91                 break;
92             case "february":
93                 System.out.println("February");
94                 break;
95             default:
96                 System.out.println("not sure");
97

```

```
98         break;  
99     }  
100 }  
101 }  
102
```