Lesson 14 Coding Activities

You can use the templates below in DrJava, or the IDE of your choice. Download the zipped .java starter files with the templates below, to get a head start on the activity.

Come to the forum with your questions and to share your test cases.

1. Test if an integer is **not** between 5 and 76 inclusive.

Sample Run 1:

```
Enter a number:
7
False
```

Sample Run 2:

```
Enter a number:
1
True
```

```
import java.util.Scanner;

class Lesson_14_Activity_One {
    public static void main(String[] args)
     {
     /*
      * Write your code here
      * Copy and paste your entire program to Code Runner
      * to complete the activity, from the first import statement
      * to the last bracket.
      */
      }
}
```

2. Write a program to input two integers and print "Both are positive or zero." to the screen, if both are positive or zero. Print "One or both are negative." otherwise.

```
import java.util.Scanner;

class Lesson_14_Activity_Two {
    public static void main(String[] args)
     {
     /*
```

```
     * Write your code here
     * Copy and paste your entire program to Code Runner
     * to complete the activity, from the first import statement
     * to the last bracket.
     */

     }
}
```

3. The Internet runs on web addresses. The addresses we type represent the IP address for each site and how the computer finds an individual web page.

   IP addresses are made up of four numbers, each between 0 and 255 separated by a period. For example, 128.253.21.58 is an IP address.

   Write a program to enter four numbers and test if they make up a valid IP address. In other words, test to see if the numbers entered are between 0 and 255 inclusive.

   Sample Run 1:

```
Please enter the first octet:
898
Please enter the second octet:
34
Please enter the third octet:
712
Please enter the fourth octet:
45
Octet 1 is incorrect
Octet 3 is incorrect
```

   Sample Run 2:

```
Please enter the first octet:
112
Please enter the second octet:
200
Please enter the third octet:
0
Please enter the fourth octet:
254
IP Address: 112.200.0.254
```

```
import java.util.Scanner;

class Lesson_14_Activity_Three {
    public static void main(String[] args)
```

```
    {
    /*
     * Write your code here
     * Copy and paste your entire program to Code Runner
     * to complete the activity, from the first import statement
     * to the last bracket.
     */
     }
}
```