Section Activity #1: Extracting Digits from an Integer

Your Names: _____________________________________________

Directions: In groups of two (or three, if need be), complete the following activity. This section activity will be graded; all students in the group will receive the same score. Make sure that the names of all group members are on the page you submit to your section leader.

Task: Complete the following Java program with assignment statements that cause the program to display the three digits of any three-digit integer value (not just the one hard-coded into the program as an example!). Be aware that the modulo operator (symbol: %) gives the remainder of an integer division, and the division operator (symbol: /) produces an integer result when given two integer operands. You may add more variables if you wish to do so.

Here’s the expected output for 815: The three digits of 815 are 8, 1, and 5.

```java
public class SectionActivity01 {
    public static void main (String [] args) {
        int givenInteger, leftDigit, middleDigit, rightDigit;
        givenInteger = 815;

        // Place your assignment statements here

        System.out.println("The three digits of " + givenInteger + " are " + leftDigit + ", " + middleDigit + ", and " + rightDigit + ".");
    }
}
```