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/* Section.java - This is the Section class
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 * Chapter 6 Example Project
 * CITP 190
 *
 * The Section class allows the instructor to keep track of the number of
 * students in each section the instructor is teaching
 *
 * Instance variables:
 *     sectNum      - the section number of the section
 *     numStudents  - the number of students in the section
 */

import java.text.NumberFormat;

public class Section
{
    // instance variables
    private String sectNum;      // the section number of the section
    private int numStudents;     // the number of students in the section

    /*-----
    * Section - this is a constructor for the class
    *
    * parameters:
    *     section - this is the section number of the new section
    *     number  - this is the number of students in the section
    *
    * return value: none
    -----*/
    public Section(String section, int number)
    {
        sectNum = section;
        numStudents = number;
    }

    /*-----
    * addStudents - increase the number of students
    *
    * parameters: number of students to add
    *
    * return value: none
    -----*/
    public void addStudents(int number)
    {
        numStudents += number;
    }

    /*-----
    * formatString - this returns the values formatted for printing
    *
    * parameters: none
    *
    * return value: a String which contains the instance variables formatted
    *               to print nicely
    -----*/
    public String formatString()
    {
        NumberFormat withCommas = NumberFormat.getNumberInstance();
        return "Section: " + sectNum + "\nNumber of Students: " +
            withCommas.format(numStudents);
    }
}

```

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/*-----
 * getNumStudents - this is the getter for the numStudents variable
 *
 * parameters: none
 *
 * return value: the value of the numStudents instance variable
-----*/
public int getNumStudents()
{
    return numStudents;
}

/*-----
 * getSectNum - this is the getter for the sectNum variable
 *
 * parameters: none
 *
 * return value: the value of the sectNum instance variable
-----*/
public String getSectNum()
{
    return sectNum;
}

/*-----
 * setNumStudents - this is the setter for the numStudents variable
 *
 * parameters: number - the new value for the numStudents variable
 *
 * return value: none
-----*/
public void setNumStudents(int number)
{
    numStudents = number;
}

/*-----
 * setSectNum - this is the setter for the section variable
 *
 * parameters: section - the new value for the sectNum variable
 *
 * return value: none
-----*/
public void setSectNum(String section)
{
    sectNum = section;
}

}

```