

CS-201 Practice Lab Exam

Carefully follow these instructions:

1. Using **Internet Explorer** or **Firefox** copy **P.java** to **c:\temp** from the lab web page.
2. Create the class file **MyClassNNN.java** where **NNN** is your assigned test number. For this practice exam your assigned number is **123**. At the actual lab exam you will use the number printed on your test sheet.

In **MyClass123.java** you will code all of the methods needed by **P.java**.

In P.java change MyClassNNN to MyClass123, but do not make any other changes to P.java.

3. You may use **JGrasp**. You may not use the Internet other than to download **P.java**.
You may not use email. You may not use the printers during the actual lab exam.
You may use your **CS-201** textbook during the exam, **but no other materials.**
4. During the actual lab exam you will not be allowed to leave the room until you turn in your exam.
5. **Before leaving the lab delete all of your files from c:\temp and any other directories you may have used.**

```

//
//
//   CS201   Practice Lab Midterm Exam
//
//
import java.util.Scanner;
public class P
{
    public static void main (String[] args)
    {
        Scanner scan = new Scanner(System.in);

        MyClassNNN myObject = new MyClassNNN(); // Replace NNN with 123.
                                                // At the actual exam use your test number.

        int n1, n2, n3, i;

/** The method displayHeading displays your name, BlazerID, course name, and your
/** row number and seat number. The course name is passed as a parameter.  ** 1 point
myObject.displayHeading("CS-201");

/** method testSigns(n1,n2,n3) returns the String:
/** "All Positive or Zero" if all three parameters are zero or positive ( >= 0 )
/** "All negative"         if all three parameters are negative ( < 0 )
/** "Postive and Negative" if parameters are mixed signs          ** 4 points
/** Example: calling testSigns(-1,3,0) returns "Positive and Negative"
/** Example: calling testSigns(10,13,0) returns "All Positive or Zero"
/** Example: calling testSigns(-2,-7,-12) returns: "All Negative"
for (i = 0; i < 3; i++) // test method testSigns three times
{
    System.out.print("\n\n** method testSigns **\n\nEnter the first positive," +
                    "negative, or zero integer: ");
    n1 = scan.nextInt();
    System.out.print("\n\nEnter the second positive, negative, or zero integer: ");
    n2 = scan.nextInt();
    System.out.print("\n\nEnter the third positive, negative, or zero integer: ");
    n3 = scan.nextInt();
    System.out.println("\n" + n1 + " " + n2 + " " + n3 + ": " +
                      myObject.testSigns(n1, n2, n3));
}

/** Method oddNumbers(n1, n2) displays the odd numbers
/** from integers n1 to n2 (inclusive)
/** The odd numbers are displayed one per line.
/** Examples: oddNumbers(1,5) displays: 1          oddNumbers(10,18) displays 11
/**                                     3          13
/**                                     5          15
/**                                     7          17
/** ** 5 points
System.out.print("\n\nEnter the first integer: ");
n1 = scan.nextInt();
System.out.print("\n\nEnter the second integer: ");
n2 = scan.nextInt();
myObject.oddNumbers(n1,n2);
System.out.println();
}
}

```