# **Homework – do … while loop**

1. What would be written by the program fragment shown below if it were given the following input sequence? -5 0 26

System.out.println(“How many items to add?”);

do {

howMany = sc.nextInt();

if (howMany <= 0) {

System.out.println(“Give a positive value.”);

}

}

while (howMany <= 0);

How many items to add?

-5

Give me a positive value

0

Give me a positive value

26

1. **Count1.java** Write a **do..while** loop that counts down from 100 to 1 by 2’s.
2. **Sum.java** Using do… while loop, write a program that let users to continuously enter positive numbers. The user will enter a negative number to indicate the end. The program will then output the sum of the positive numbers.
3. **CountInt1.java** Using do… while loop, write a program that let users to continuously enter integers. The user will enter ‘-1’ to indicate the end. The program will then output the number of integers that were entered. This count should not include the exit value, ‘-1’.
4. **CountInt2.java** Adapt #4 so that the users can enter any negative numbers to indicate the end. Again, your count should not include the value used to exit the loop.
5. **Unicode.java** Write a **do...while** loop that displays a Unicode table for the characters from 1..212. Notice that some characters are unprintable and a box, question mark, or numeric code will be displayed (that’s okay). Your column headings for this table should be “Unicode” and “Character”. The unicode column should display your numbers from 1 to 212, and the character column should display the character that number represents.