

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);
```

Output	Memory
How many items to add? -5 Give a positive value 0 Give a positive value 26 >	(int) howMany: -5 0 26

2. **Count1.java** Write a **do..while** loop that counts down from 100 to 1 by 2's.
3. **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.
4. **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'.
5. **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.

6. **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.