```java
import java.util.*;                                          // need this for Scanner.

class MultiplicityTriplets

{

    /* DISPLAY INPUT, GOVERNED BY CHARACTER MULTIPLICITY, AS TRIPLETS
       SEPARATED BY BLANKS */

    public static void main (String[ ]  args)

    {

        final int OUTPUT_UNIT_SIZE = 3;        // number of characters in each output unit (i.e., triplet).

        Scanner keyboard = new Scanner (System.in);                    // user input from keyboard.

        int  outputCount = OUTPUT_UNIT_SIZE – 1;              // remaining size of current triplet – 1.

        // keep going until we input a negative multiplicity

        while (true)

        {

            int  count = keyboard.nextInt ( );                 // number of times number is to be output.

            if (count < 0) break;                    // stop execution when input negative multiplicity.

            int  number = keyboard.nextInt ( );                 // input value to be output multiple times.

            // output number, count times

            for (; count > 0; count––)

            {

                System.out.print (number);

                // output blank after each triplet

                if (––outputCount < 0)
```

```java
        {
            System.out.print (' ');                  // display blank that comes after each triple.
            outputCount = OUTPUT_UNIT_SIZE - 1;      // reinitialize count for next triplet.
        }                                            // end if
    }                                                // end for
}                                                    // end while
```

// end *main*

// end class *MultiplicityTriplets*