

Example 2-10 further illustrates the use of the method `printf`.

EXAMPLE 2-10

The following program illustrates how to format output using the `printf` method and format specifiers.

```
//*****
// Author: Malik/Burton
//
// This program illustrates how to format output using the
// printf method and format specifiers.
//*****

public class FormattingOutputWithprintf           //Line 1
{
    public static void main(String[] args)        //Line 2
    {
        int num = 763;                           //Line 4
                                                //Line 5

        double x = 658.75;                        //Line 6

        String str = "Java Program.";             //Line 7

        System.out.println("1234567890123456789"
                           + "01234567890");      //Line 8
        System.out.printf("%5d%7.2f%15s%n",        //Line 9
                           num, x, str);

        System.out.printf("%15s%6d%9.2f%n",        //Line 10
                           str, num, x);
        System.out.printf("%8.2f%7d%15s%n",        //Line 11
                           x, num, str);

        System.out.printf("num = %5d%n", num);    //Line 12
        System.out.printf("x = %10.2f%n", x);     //Line 13
        System.out.printf("str = %15s%n", str);    //Line 14
        System.out.printf("%10s%7d%n",            //Line 15
                           "Program No.", 4);
                                                //Line 16
    }
}                                                  //Line 17
```

Sample Run: