1 **import** java.text.DecimalFormat;

2

3 **public class** DecimalFormatClass

4 {

5 **public static void** main(String[] args)

6 {

7 DecimalFormat cs = **new** DecimalFormat("#,###.###"); **//commas**

8 DecimalFormat ltz = **new** DecimalFormat("#,##0.000"); **//zeros**

9 DecimalFormat pct = **new** DecimalFormat("#,##0.00%"); **//percentages**

10 DecimalFormat sn = **new** DecimalFormat("0.0000E0"); **//scientific**

11 **double** n1 = 0.0062;

12 **double** n2 = 161234563468.5;

13 **double** n3 = 1.530;

14

15 System.out.println("Comma-separators");

16 System.out.println(cs.format(n1));

17 System.out.println(cs.format(n2));

18 System.out.println(cs.format(n3));

19

20 System.out.println("\nLeading & Trailing Zeros, & Commas");

21 System.out.println(ltz.format(n1));

22 System.out.println(ltz.format(n2));

23 System.out.println(ltz.format(n3));

24

25 System.out.println("\nPercentages");

26 System.out.println(pct.format(n1));

27 System.out.println(pct.format(n2));

28 System.out.println(pct.format(n3));

29

30 System.out.println("\nScientific Notation");

31 System.out.println(sn.format(n1));

32 System.out.println(sn.format(n2));

33 System.out.println(sn.format(n3));

34 }

35 }

**Figure 5.9 The application DecimalFormatClass.**