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1 *****;
2 *   Executing an Iterative DO Loop *;
3 *****;
4 *   Syntax *;
5 * *;
6 *   DATA output-table; *;
7 * *;
8 *       . . . *;
9 *       DO index-column = start TO stop <BY increment>; *;
10 *       . . . repetitive code . . . *;
11 *   END; *;
12 *       . . . *;
13 *   RUN; *;
14 *****;
15 *****;
16 *   Demo *;
17 *   1) Run the program and view the Forecast output table. *;
18 *       Notice that there are three rows (Year 1, 2, and 3) *;
19 *       for each combination of Region, Product, and *;
20 *       Subsidiary. *;
21 *   2) Return to the Program tab and click the Toggle DATA *;
22 *       Step Debugger toolbar button to enable debugging in *;
23 *       the program if it is not already enabled. Click the *;
24 *       Debugger icon next to the DATA statement. The DATA *;
25 *       Step Debugger window appears. *;
26 *   3) Click the Step execution to next line toolbar *;
27 *       button to execute the highlighted SET statement. *;
28 *   4) Click the button again to execute the highlighted *;
29 *       DO statement. Notice that the Year value has been *;
30 *       set to 1. *;
31 *   5) Click the button three times to execute the *;
32 *       statements inside the DO loop and the END *;
33 *       statement. Notice that the Year value has been *;
34 *       incremented to 2 and that processing returns to the *;
35 *       inside of the DO loop. *;
36 *   6) Continue to click the button to execute the *;
37 *       highlighted statements inside the DO loop. Observe *;
38 *       the changing of values in the PDV. *;
39 *   7) At the end of third iteration of the DO loop, *;
40 *       notice that the Year value is incremented to 4 and *;
41 *       that processing does not return to the inside of *;
42 *       the DO loop. *;
43 *   8) Close the DATA Step Debugger. *;
44 *****;
45 *****;
46
47 data forecast;
48     set sashelp.shoes(rename=(Sales=ProjectedSales));
49     do Year = 1 to 3;
50         ProjectedSales=ProjectedSales*1.05;
51         output;
52

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53     end;  
54     keep Region Product Subsidiary Year ProjectedSales;  
55     format ProjectedSales dollar10.;  
run.
```