

```

1 *****;
2 *   Executing an Iterative DO Loop                               *;
3 *****;
4 *   Syntax                                                         *;
5 *                                                                 *;
6 *       DATA output-table;                                       *;
7 *           . . .                                                 *;
8 *           DO index-column = start TO stop <BY increment>;      *;
9 *           . . . repetitive code . . .                           *;
10 *           END;                                                  *;
11 *           . . .                                                 *;
12 *       RUN;                                                       *;
13 *****;
14
15 *****;
16 *   Demo                                                           *;
17 *   1) Notice the three PUTLOG statements in the DATA step. *;
18 *   2) Run the program and view the Forecast output table. *;
19 *       Notice that there are three rows (Year 1, 2, and 3) *;
20 *       for the first two input rows.                             *;
21 *   3) View the PUTLOG text in the SAS log.                       *;
22 *****;
23
24 .....
25 data forecast;
26     putlog 'Top of DATA Step ' Year= _N_=;
27     set sashelp.shoes(obs=2 rename=(Sales=ProjectedSales));
28     do Year = 1 to 3;
29         ProjectedSales=ProjectedSales*1.05;
30         output;
31         putlog 'Value of Year written to table: ' Year=;
32     end;
33     putlog 'Outside of DO Loop: ' Year=;
34     keep Region Product Subsidiary Year ProjectedSales;
35     format ProjectedSales dollar10.;
36 run;
37

```