```
1  ************************************************************;
2  *  LESSON 6, PRACTICE 2                                    *;
3  *  a) Run the program and review the results. Notice that  *;
4  *     the initial program is showing the forecasted value  *;
5  *     for the next year. The next year is based on adding  *;
6  *     one year to the year value of today's date.          *;
7  *     Depending on the current date, your NextYear value   *;
8  *     might be bigger than the NextYear value in the       *;
9  *     following results.                                   *;
10 *  b) Add an iterative DO loop around the conditional      *;
11 *     IF-THEN statements.                                  *;
12 *     1) The DO loop needs to iterate five times.          *;
13 *     2) In the DO statement, a new column named Year      *;
14 *        needs to be created that starts at the value of   *;
15 *        NextYear and stops at the value of NextYear plus  *;
16 *        4.                                                *;
17 *     3) A row needs to be created for each year.          *;
18 *  c) Modify the KEEP statement to keep the column Year    *;
19 *     instead of NextYear.                                 *;
20 *  d) Run the program and review the results.              *;
21 *  e) (Optional) Modify the OUTPUT statement to be a       *;
22 *     conditional statement that outputs only on the       *;
23 *     fifth iteration. Run the program and review the      *;
24 *     results.                                             *;
25 ************************************************************;
26
27
28 data ForecastDayVisits;
29     set pg2.np_summary;
30     where Reg='PW' and Type in ('NM','NP');
31     ForecastDV=DayVisits;
32     NextYear=year(today())+1;
33     do Year = NextYear to NextYear+4;
34        if Type='NM' then ForecastDV=ForecastDV*1.05;
35        if Type='NP' then ForecastDV=ForecastDV*1.08;
36
37     end;
38     output;
39     format ForecastDV comma12.;
40     label ForecastDV='Forecasted Recreational Day Visitors';
41     keep ParkName DayVisits ForecastDV Year;
42 run;
43
44 proc sort data=ForecastDayVisits;
45     by ParkName;
46 run;
47
48 title 'Forecast of Recreational Day Visitors for Pacific West';
49 proc print data=ForecastDayVisits label;
50 run;
51 title
```