```
 1  *************************************************************;
 2  *   LESSON 4, PRACTICE 4                                  *;
 3  *   a) Highlight the PROC MEANS step and run the selected *;
 4  *      code. Review the output. Notice that the traffic   *;
 5  *      statistics are listed by a four-letter park code.  *;
 6  *   b) Open the PG2.NP_CODELOOKUP table. Notice that      *;
 7  *      ParkCode contains the four-letter park code and    *;
 8  *      Type contains the type of park.                    *;
 9  *   c) Modify the DATA step.                              *;
10  *      1) Add a RENAME= data set option to the SET        *;
11  *         statement to rename the ParkCode column to Start *;
12  *         and the Type column to Label.                   *;
13  *      2) Add a RETAIN statement before the SET statement *;
14  *         to create the FmtName column with a value of    *;
15  *         $TypeFmt (without a period at the end).         *;
16  *   d) In the PROC FORMAT statement, add a CNTLIN= option *;
17  *      to build a format from the type_lookup table.      *;
18  *   e) In the PROC MEANS step, add a FORMAT statement so  *;
19  *      that the $TypeFmt format is applied to the ParkCode *;
20  *      column.                                            *;
21  *   f) Run the program and review the results. Verify that *;
22  *      the data is grouped by park types.                 *;
23  *************************************************************;
24
25
26  data type_lookup;
27      retain FmtName '$TypeFmt';
28      set pg2.np_codeLookup(rename=(ParkCode=Start Type=Label));
29      keep Start Label FmtName;
30  run;
31
32  proc format cntlin=type_lookup;
33  run;
34
35  title 'Traffic Statistics';
36  proc means data=pg2.np_monthlyTraffic maxdec=0 mean sum nonobs;
37      var Count;
38      class ParkCode Month;
39      label ParkCode='Name';
40      format ParkCode $TypeFmt.;
41  run;
42  title;
```