```sas
1  ***************************************************************;
2  *   LESSON 4, PRACTICE 5                                   *;
3  *   a) Modify the first DATA step to create the NP_LOOKUP  *;
4  *      table that will be used to build a custom format.    *;
5  *      1) Add a RETAIN statement to create the FmtName      *;
6  *         column with a value of $RegLbl.                    *;
7  *      2) Add a RENAME= data set option to the SET          *;
8  *         statement to rename the ParkCode column to        *;
9  *         Start.                                            *;
10 *      3) Add conditional statements to create the Label    *;
11 *         column. The Label column is equal to the Region   *;
12 *         column unless the region is missing. In that      *;
13 *         case, the Label column is equal to a value of     *;
14 *         Unknown.                                          *;
15 *      4) Add a KEEP statement to include the Start,        *;
16 *         Label, and FmtName columns.                       *;
17 *   b) Highlight the first DATA step and run the selected   *;
18 *      code. Verify the output table.                       *;
19 *   c) Modify the PROC FORMAT step to read in the           *;
20 *      NP_LOOKUP table.                                     *;
21 *   d) In the second DATA step, create a new column named   *;
22 *      Region. Use the PUT function to create the new       *;
23 *      column based on using the $RegLbl format on the      *;
24 *      ParkCode column. Run the program and confirm the     *;
25 *      results in the PROC FREQ output.                     *;
26 ***************************************************************;
27
28
29 data np_lookup;
30     retain FmtName '$RegLbl';
31     set pg2.np_codeLookup(rename=(ParkCode=Start));
32     if Region ne ' ' then Label=Region;
33     else Label='Unknown';
34     keep Start Label FmtName;
35 run;
36
37 proc format cntlin=np_lookup;
38 run;
39
40 data np_endanger;
41     set pg2.np_species;
42     where Conservation_Status='Endangered';
43     Region=put(ParkCode,$RegLbl.);
44 run;
45
46 title 'Number of Endangered Species by Region';
47 proc freq data=np_endanger;
48     tables Region / nocum;
49 run;
50 title;
51
```