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1 *****;
2 * LESSON 3, PRACTICE 6 *;
3 * a) Run the program. Notice that the Column1 column *;
4 * contains raw data with values separated by various *;
5 * symbols. The SCAN function is used to extract the *;
6 * ParkCode and ParkName values. *;
7 * b) Examine the PROC CONTENTS report. Notice that *;
8 * ParkCode and ParkType have a length of 200, which *;
9 * is the same as Column1. *;
10 * Note: When the SCAN function creates a new column, *;
11 * the new column will have the same length as the *;
12 * column listed as the first argument. *;
13 * c) The ParkCode column should include only the first *;
14 * four characters in the string. Add a LENGTH *;
15 * statement to define the length of ParkCode as 4. *;
16 * d) The length for the ParkName column can be optimized *;
17 * by determining the longest string and setting an *;
18 * appropriate length. Modify the DATA step to create *;
19 * a new column named NameLength that uses the LENGTH *;
20 * function to return the position of the last *;
21 * non-blank character for each value of ParkName. *;
22 * e) Use a RETAIN statement to create a new column named *;
23 * MaxLength that has an initial value of zero. *;
24 * f) Use an assignment statement and the MAX function to *;
25 * set the value of MaxLength to either the current *;
26 * value of NameLength or MaxLength, whichever is *;
27 * larger. *;
28 * g) Use the END= option in the SET statement to create *;
29 * a temporary variable in the PDV named LastRow. *;
30 * LastRow will be zero for all rows until the last *;
31 * row of the table, when it will be 1. Add an IF-THEN *;
32 * statement to write the value of MaxLength to the *;
33 * log if the value of LastRow is 1. *;
34 *****;
35
36
37 data parklookup;
38     set pg2.np_unstructured_codes;
39     ParkCode=scan(Column1, 2, '{ }:, "()-');
40     ParkName=scan(Column1, 4, '{ }:, "()-');
41 run;
42
43 proc print data=parklookup(obs=10);
44 run;
45
46 proc contents data=parklookup;
47 run;
48

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