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1 *****;
2 *   Joining Tables with PROC SQL                               *;
3 *****;
4 *   Syntax and Example                                         *;
5 *                                                             *;
6 *       PROC SQL;                                             *;
7 *           SELECT col-name, col-name                         *;
8 *           FROM input-table1 INNER JOIN input-table2        *;
9 *           ON table1.col-name=table2.col-name;               *;
10 *       QUIT;                                                 *;
11 *****;
12
13 .....
14 proc sql;
15 select class_update.Name, Grade, Age, Teacher
16        from pg1.class_update inner join pg1.class_teachers
17        on class_update.Name=class_teachers.Name;
18 quit;
19
20 *****;
21 *   Demo                                                         *;
22 *       1) Open PG1.STORM_SUMMARY and PG1.STORM_BASINCODES   *;
23 *           and compare the columns. Identify the matching    *;
24 *           column.                                           *;
25 *       2) Add PG1.STORM_BASINCODES to the FROM clause to    *;
26 *           perform an inner join on Basin. Remember to      *;
27 *           qualify the columns as table-name.col-name in the *;
28 *           ON expression.                                     *;
29 *       3) Add the BasinName column to the query after       *;
30 *           Basin. Highlight the step, run the selected code, *;
31 *           and examine the log. Why does the program fail?  *;
32 *       4) Modify the query to qualify the Basin column in   *;
33 *           the SELECT clause. Highlight the step and run the *;
34 *           selected code.                                     *;
35 *****;
36
37 .....
38 proc sql;
39 select Season, Name, storm_summary.Basin, BasinName, MaxWindMPH
40        from pg1.storm_summary inner join pg1.storm_Basincodes
41        on storm_summary.Basin=storm_Basincodes.Basin
42        order by Season desc, Name;
43 quit;

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