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1 *****;
2 * Processing Multiple Statements with IF-THEN/DO *;
3 *****;
4 * Syntax and Example *;
5 * *;
6 * IF expression THEN DO; *;
7 * <executable statements> *;
8 * END; *;
9 * ELSE IF expression THEN DO; *;
10 * <executable statements> *;
11 * END; *;
12 * ELSE DO; *;
13 * <executable statements> *;
14 * END; *;
15 *****;
16
17 .....
18 data under40 over40;
19     set sashelp.cars;
20     keep Make Model MSRP Cost_Group;
21     if MSRP<20000 then do;
22         Cost_Group=1;
23         output under40;
24     end;
25     else if MSRP<40000 then do;
26         Cost_Group=2;
27         output under40;
28     end;
29     else do;
30         Cost_Group=3;
31         output over40;
32     end;
33 run;
34
35 *****;
36 * Demo *;
37 * Modify the IF-THEN statements to use IF-THEN/DO *;
38 * syntax to write rows to either the indian, *;
39 * atlantic, or pacific table based on the value of *;
40 * Ocean. Highlight the DATA step and run the *;
41 * selected code. *;
42 *****;
43
44 .....
45 data indian atlantic pacific;
46     set pg1.storm_summary;
47     length Ocean $ 8;
48     keep Basin Season Name MaxWindMPH Ocean;
49     Basin=upcase(Basin);
50     OceanCode=substr(Basin,2,1);
51     *Modify the program to use IF-THEN-DO syntax;
52     if OceanCode="I" then do;

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53         Ocean="Indian";
54         output indian;
55     end;
56     else if OceanCode="A" then do;
57         Ocean="Atlantic" ;
58         output atlantic;
59     end;
60     else do;
61         Ocean="Pacific" ;
62         output pacific;
63     end;
```