```sas
1  **************************************************************;
2  *   Activity 4.03                                          *;
3  *   1) Review the PROC FORMAT step that creates the        *;
4  *      $REGION format that assigns basin codes into        *;
5  *      groups. Highlight the step and run the selected     *;
6  *      code.                                               *;
7  *   2) Notice the DATA step includes IF-THEN/ELSE          *;
8  *      statements to create a new column named BasinGroup. *;
9  *   3) Delete the IF-THEN/ELSE statements and replace it   *;
10 *      with an assignment statement to create the          *;
11 *      BasinGroup column. Use the PUT function with Basin  *;
12 *      as the first argument and $REGION. as the second    *;
13 *      argument.                                           *;
14 *   4) Highlight the DATA and PROC MEANS steps and run the *;
15 *      selected code. How many BasinGroup values are in    *;
16 *      the summary report?                                 *;
17 **************************************************************;
18
19
20 proc format;
21     value $region 'NA'='Atlantic'
22                   'WP','EP','SP'='Pacific'
23                   'NI','SI'='Indian'
24                   ' '='Missing'
25                   other='Unknown';
26 run;
27
28 data storm_summary;
29     set pg2.storm_summary;
30     Basin=upcase(Basin);
31     *Delete the IF-THEN/ELSE statements and replace them with an assignment statement;
32     Basin=upcase(Basin);
33     BasinGroup=put(Basin,$region.);
34 run;
35
36 proc means data=storm_summary maxdec=1;
37     class BasinGroup;
38     var MaxWindMPH MinPressure;
39 run;
```