```sas
1  **************************************************************;
2  *   Activity 4.08                                          *;
3  *      1) Run the program and examine the results. Why is  *;
4  *         Ocean truncated? What value is assigned when     *;
5  *         Basin='na'?                                      *;
6  *      2) Modify the program to add a LENGTH statement to  *;
7  *         declare the name, type, and length of Ocean      *;
8  *         before the column is created.                    *;
9  *      3) Add an assignment statement after the KEEP       *;
10 *         statement to convert Basin to uppercase. Run the *;
11 *         program.                                         *;
12 *      4) Move the LENGTH statement to the end of the DATA *;
13 *         step. Run the program. Does it matter where the  *;
14 *         LENGTH statement is in the DATA step?            *;
15 **************************************************************;
16 *   Syntax                                                 *;
17 *         LENGTH char-column $ length;                     *;
18 **************************************************************;
19
20
21 data storm_summary2;
22     set pg1.storm_summary;
23     *Add a LENGTH statement;
24     length name type Ocean $ 10;
25     keep Basin Season Name MaxWindMPH Ocean;
26     *Add assignment statement;
27     Basin=upcase(Basin);
28     OceanCode=substr(Basin,2,1);
29     if OceanCode="I" then Ocean="Indian";
30     else if OceanCode="A" then Ocean="Atlantic";
31     else Ocean="Pacific";
32 run;
33
```