Using the SCAN and PROPCASE Functions

The **pg2.np_monthlytraffic** table contains monthly traffic statistics for national parks. However, the data has some inconsistencies. There is no column containing park type, and the gate location does not use proper case.

1. Open the **p203p04.sas** program from the **practices** folder. Submit the program and examine the data. Notice that **ParkName** includes a code at the end of each value that represents the park type. Also notice that some of the values for **Location** are in uppercase.

2. Modify the program.

    - Add a LENGTH statement to create a new five-character column named **Type**.
    - Add an assignment statement that uses the SCAN function to extract the last word from the **ParkName** column and assigns the resulting value to **Type**.
    - Add an assignment statement to use the UPCASE and COMPRESS functions to change the case of **Region** and remove any blanks.
    - Add an assignment statement to use the PROPCASE function to change the case of **Location**.
    - Submit the program and examine the output data.

```
data clean_traffic;
    set pg2.np_monthlytraffic;
    drop Year;
    length Type $ 5;
    Type=scan(ParkName, -1);
    Region=upcase(compress(Region));
    Location=propcase(Location);
run;
```

3. How many rows and columns are in the **clean_traffic** table?

    The **clean_traffic** table has 5140 rows and seven columns.

4. What is the value of **Type** in row 100?

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