Level 1 Practice: Processing Statements Conditionally with IF-THEN/ELSE

The **pg1.np_summary** table contains public use statistics from the National Park Service. The values of the **Type** column represent park type as a code. Create a new column, **ParkType**, that contains full descriptive values.

Reminder: If you restarted your SAS session,you must recreate the **PG1** library so you can access your practice files. In SAS Studio, open and submit the **libname.sas** program in the **EPG194** folder. In Enterprise Guide, run the **Autoexec** process flow.

1. Open **p104p07.sas** from the **practices** folder. Submit the program and view the generated output.

2. In the DATA step, use IF-THEN/ELSE statements to create a new column, **ParkType**, that is based on the value of **Type**.

Type	ParkType
NM	Monument
NP	Park
NPRE, PRE, or PRESERVE	Preserve
NS	Seashore
RVR or RIVERWAYS	River

```
data park_type;
        set pg1.np_summary;
        length ParkType $ 8;
    if Type='NM' then ParkType='Monument';
    else if Type='NP' then ParkType='Park';
    else if Type in ('NPRE', 'PRE', 'PRESERVE') then
        ParkType='Preserve';
    else if Type in ('RVR', 'RIVERWAYS') then ParkType='River';
    else if Type='NS' then ParkType='Seashore';
run;

proc freq data=park_type;
    tables Type;
run;
```

3. Modify the PROC FREQ step to generate a frequency report for **ParkType**. Submit the program.

```
data park_type;
    set pg1.np_summary;
    length ParkType $ 8;
    if Type='NM' then ParkType='Monument';
    else if Type='NP' then ParkType='Park';
    else if Type in ('NPRE', 'PRE', 'PRESERVE') then
        ParkType='Preserve';
    else if Type in ('RVR', 'RIVERWAYS') then ParkType='River';
    else if Type='NS' then ParkType='Seashore';
run;
```

```
proc freq data=park_type;
    tables ParkType;
run;
```

4. What is the frequency of **Seashore**?

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