

```
1 *****;
2 * LESSON 4, PRACTICE 7 *;
3 * a) Submit the program and view the generated output. *;
4 * b) In the DATA step, use IF-THEN/ELSE statements to *;
5 * create a new column, ParkType, based on the value *;
6 * of Type. *;
7 * NM -> Monument *;
8 * NP -> Park *;
9 * NPRES, PRE, or PRESERVE -> Preserve *;
10 * NS -> Seashore *;
11 * RVR or RIVERWAYS -> River *;
12 * c) Modify the PROC FREQ step to generate a frequency *;
13 * report for ParkType. *;
14 *****;
15
16 data park_type;
17 set pg1.np_summary;
18 length ParkType $ 8;
19 *Add IF-THEN-ELSE statements;
20 if Type='NM' then parkType = 'Monument';
21 else if Type='NP' then parkType = 'Park';
22 else if Type in('NPRES','PRE','PRESERVE') then parkType = 'Preserve';
23 else if Type in('RVR','RIVERWAYS') then parkType = 'River';
24 else if Type = 'NS' then parkType = 'Seashore';
25
26 run;
27
28 proc freq data=park_type;
29 tables Type;
30 run;
31
32 data parks_monuments;
33 set pg1.np_summary;
34 where type in ('NM','NP');
35 Campers=sum(OtherCamping,TentCampers,RVCampers,BackcountryCampers);
36 format Campers comma17.;
37 length parkType $ 8;
38 if type='NP' then do;
39 ParkType='Park';
40 output parks;
41 end;
42 else do;
43 ParkType='Monument';
44 output monuments;
45 end;
46 keep Reg parkName DayVisits OtherLodging Campers ParkType;
47 run;
```