

**7. Processing Statements Conditionally with IF-THEN/ELSE**

```

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='NS' then ParkType='Seashore';
    else if Type in ('RVR', 'RIVERWAYS') then ParkType='River';
run;

proc freq data=park_type;
    tables ParkType;
run;

```

**8. Processing Statements Conditionally with DO Groups**

```

data parks monuments;
    set pg1.np_summary;
    where type in ('NM', 'NP');
    Campers=sum(OtherCamping, TentCampers, RVCampers,
        BackcountryCampers);
    format Campers comma17.;
    length ParkType $ 8;
    if type='NP' then do;
        ParkType='Park';
        output parks;
    end;
    else do;
        ParkType='Monument';
        output monuments;
    end;
    keep Reg ParkName DayVisits OtherLodging Campers ParkType;
run;

```

**9. Processing Statements Conditionally with SELECT-WHEN Groups**

```
data parks monuments;
  set pg1.np_summary;
  where type in ('NM', 'NP');
  Campers=sum(OtherCamping, TentCampers, RVCampers,
              BackcountryCampers);
  format Campers comma17.;
  length ParkType $ 8;
  select (type);
    when ('NP') do;
      ParkType='Park';
      output parks;
    end;
    otherwise do;
      ParkType='Monument';
      output monuments;
    end;
  end;
  keep Reg ParkName DayVisits OtherLodging Campers ParkType;
run;
```

**End of Solutions**