Creating Custom Formats Based on a Range of Values

The **pg2.np_acres** table contains acreage amounts for national parks. Create a format that, when applied, groups acreage amounts into identified categories.

1. Open **p204p02.sas** from the **practices** folder. Modify the program.

   - Before the DATA step, add a PROC FORMAT step to create a format named PSIZE that categorizes parks based on the gross acres. Use the ranges and values as identified below.

Range	Value
Less than 10,000 acres	*Small*
10,000 through less than 500,000 acres	*Average*
500,000 and more acres	*Large*

   - In the DATA step, add an assignment statement to create a new column named **ParkSize**. Use the PUT function to create the new column based on the formatted values of **GrossAcres**.
   - Submit the program and examine the output data.

```
proc format;
    value psize low-<10000='Small'
                10000-<500000='Average'
                500000-high='Large';
run;

data np_parksize;
    set pg2.np_acres;
    ParkSize=put(GrossAcres,psize.);
    format GrossAcres comma16.;
run;
```

2. What is the value of **ParkSize** in row 1?

   Small