



## Solution

SP4R03s01.sas

Use the **Cars** data set in the **SP4R** library to complete this exercise.

### 1. Creating a New Data Set Variable

- a. Create a new variable called **mpg\_average** in the **Cars** data set. This new variable should simply be the average gas mileage between **mpg\_city** and **mpg\_highway**.

```
data sp4r.cars;
  set sp4r.cars;
  mpg_average = mean(mpg_city,mpg_highway);
run;
```

- b. Print the first five observations for the variables **mpg\_city**, **mpg\_highway**, and **mpg\_average** to ensure that the new variable is created.

```
proc print data=sp4r.cars (obs=5);
  var mpg_city mpg_highway mpg_average;
run;
```

Obs	MPG_City	MPG_Highway	mpg_average
1	17	23	20.0
2	24	31	27.5
3	22	29	25.5
4	20	28	24.0
5	18	24	21.0