



Solution

SP4R03s04.sas

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

1. Creating a List of Unique Values

- a. Use PROC SQL to create three new data tables. Let values of **make** be the unique levels of the **make** variable. Let the values of **type** be the unique levels of the **type** variable. Let the values of **origin** be the unique levels of the **origin** variable.

```
proc sql;
  create table make as select unique make from sp4r.cars;
  create table type as select unique type from sp4r.cars;
  create table origin as select unique origin from sp4r.cars;
quit;
```

- b. Create a new data table called **mylist**, which combines the three data tables.
Hint: This task requires you to column-bind data tables of different dimensions.

```
data sp4r.mylist;
  merge make type origin;
run;
```

- c. Print **mylist** to ensure that the data table is created correctly.

```
proc print data=sp4r.mylist;
run;
```

Obs	Make	Type	Origin
1	Acura	Hybrid	Asia
2	Audi	SUV	Europe
3	BMW	Sedan	USA
4	Buick	Sports	
5	Cadillac	Truck	
6	Chevrolet	Wagon	
7	Chrysler		
8	Dodge		
9	Ford		
10	GMC		
11	Honda		
12	Hummer		
13	Hyundai		
14	Infiniti		
15	Isuzu		
16	Jaguar		
17	Jeep		
18	Kia		
19	Land Rover		
20	Lexus		
21	Lincoln		
22	MINI		
23	Mazda		
24	Mercedes-Benz		

25	Mercury		
26	Mitsubishi		
27	Nissan		
28	Oldsmobile		
29	Pontiac		
30	Porsche		
31	Saab		
32	Saturn		
33	Scion		
34	Subaru		
35	Suzuki		
36	Toyota		
69	31.0	High	High