Solution

SP4R02s01.sas

Your local animal shelter needs help with entering data into SAS. The information that they want to keep a record of is the **Name**, **Age**, **Weight**, and **Color** of each dog, and whether the dog likes **Cats**.

1. **Creating a SAS Data Set by Hand**

   a. Open **SP4R02e01.sas** and add the code needed to create a data set called **Shelter** in the **SP4R** library. The data is shown in the table below. Each line should correspond to a single observation.

Name	Age	Weight	Color	Cats
Pluto	3	25	Black	No
Lizzie	10	43	Tan	Yes
Pesci	10	38	Brindle	No

```
data sp4r.shelter;
   length Name $ 25 Color $ 10 Cats $ 3;
   input Name $ Age Weight Color $ Cats $;
   datalines;
   Pluto 3 25 Black No
   Lizzie 10 43 Tan Yes
   Pesci 10 38 Brindle No
   ;
run;
```

   b. Navigate to the **SP4R** directory to ensure that the **Shelter** data set was created correctly.

	Name	Color	Cats	Age	Weight
1	Pluto	Black	No	3	25
2	Lizzie	Tan	Yes	10	43
3	Pesci	Brindle	No	10	38

VIEWTABLE: Sp4r.Shelter

   c. Create another data set called **Shelter2**. This time, enter all of the data on a single line.

```
data sp4r.shelter2;
   length Name $ 25 Color $ 10 Cats $ 3;
   input Name $ Age Weight Color $ Cats $ @@;
   datalines;
   Pluto 3 25 Black No Lizzie 10 43 Tan Yes Pesci 10 38 Brindle No
   ;
run;
```

d. Navigate to the **SP4R** directory to ensure that the **Shelter2** data set was created correctly.

VIEWTABLE: Sp4r.Shelter2				
	Name	Color	Cats	Age	Weight
1	Pluto	Black	No	3	25
2	Lizzie	Tan	Yes	10	43
3	Pesci	Brindle	No	10	38