



Labels, Formats, and Informats

SP4R02d03.sas

1. Use a DATA step and a SAS date informat to read in the following data table.

Name	Bday
Jill	01011960
Jack	05111988
Joe	08221975



The variable **bday** is already in the MMDDYY8. SAS format.

```
data employees;
  input name $ bday :mmddyy8. @@;
  datalines;
  Jill 01011960 Jack 05111988 Joe 08221975
  ;
run;

proc print data=employees;
run;
```

	Obs	name	bday
	1	Jill	0
	2	Jack	10358
	3	Joe	5712

To read in data that is already in a SAS format, specify the format following the variable name in the INPUT statement. You *must* use the : (colon) symbol to precede the format name.

In addition, notice that SAS reads in the DATE format and stores the format according to the number of days since 1960.

2. Add a FORMAT statement to change the format of **bday** to MMDDYY10. and use a LABEL statement to change the names of the variables.

```
data employees;
  input name $ bday :mmddyy8. @@;
  format bday mmddyy10.;
  label name="First Name" bday="Birthday";
  datalines;
  Jill 01011960 Jack 05111988 Joe 08221975
  ;
run;
```

3. Print the data table or navigate to the data table in the **Work** library to see the changes.

```
proc print data=employees label;
run;
```

	Obs	First Name	Birthday
	1	Jill	01/01/1960
	2	Jack	05/11/1988
	3	Joe	08/22/1975