

```
*---+---1---+---2---+---3---+---4---+---5---+---6---+---;
*** c08s1d1.sas ***;
dm "output;clear;log;clear";

Libname ia "C:\_SasCourse2006\Course1\SAS_Data";
data na1;
    length Name $ 6 Gender $ 1 JobCode $ 3;
    input Name $ Gender $ JobCode;
    datalines;
TORRES M NA1
LANG F NA1
SMITH F NA1
run;

data na2;
    length Name $ 6 Gender $ 1 JobCode $ 3;
    input Name $ Gender $ JobCode;
    cards;
LISTER M NA2
TORRES F NA2
run;

data newhires;
    set na1 na2;
run;
proc print;
run;

data fa1;
    length Name $ 6 Gender $ 1 JobCode $ 3;
    input Name $ Gender $ JobCode;
    cards;
KENT F fa1
HELD M fa1
JONES F fa1
run;

data fa2;
    length Name $ 6 JCode $ 3 Gender $ 1;
    input Name $ JCode $ Gender $;
    cards;
LOPEZ fa2 F
GRANT fa2 F
run;

data newfa;
    set fa1 fa2;
run;

proc print; run;
```

```
data newfa;
  set fa1 fa2(rename=(JCode=JobCode));
run;
```

```
proc print; run;
```

```
data newfa (rename=(JCode=JobCode));
  set fa1 fa2;
```

```
run;
```

```
proc print; run;
```

```
data work.allemp;
  set ia.romeemp
      ia.miamiemp
      ia.parisemp;
  by descending ID ;
run;
```

```
proc print; run;
```

```
proc sort data=fa1;
  by Name;
run;
```

```
proc sort data=fa2;
  by Name;
run;
```

```
data newfa;
  set fa1 fa2(rename=(JCode=JobCode));
  by Name;
run;
```

```
proc print; run;
```

```
data newfa;
  set fa1 fa2(rename=(JCode=JobCode));
  *by Name;
run;
proc sort data=newfa;
  by Name;
run;
```

```
proc print; run;
```

```
*---+---1---+---2---+---3---+---4---+---5---+---6---+---;
*** c08s1d2.sas ***;
data fa1;
  length Name $ 6 Gender $ 1 JobCode $ 3;
  input Name $ Gender $ JobCode;
  cards;
KENT F fa1
HELD M fa1
JONES F fa1
run;

data fa2;
  length Name $ 6 JCode $ 3 Gender $ 1;
  input Name $ JCode $ Gender $;
  cards;
LOPEZ fa2 F
GRANT fa2 F
run;

data newfa;
  set fa1 fa2;
run;

proc print; run;

*---+---1---+---2---+---3---+---4---+---5---+---6---+---;
*** c08s1d3.sas ***;
data newfa;
  set fa1 fa2(rename=(JCode=JobCode));
run;

proc print; run;

*---+---1---+---2---+---3---+---4---+---5---+---6---+---;
*** c08s1d4.sas ***;
data work.allemp;
  set ia.miamiemp
      ia.parisemp
      ia.romeemp;
  by ID;
run;

proc print; run;
```

```
*---+---1---+---2---+---3---+---4---+---5---+---6---+---;
*** c08s1d5.sas ***;
proc sort data=fa1;
  by Name;
run;

proc sort data=fa2;
  by Name;
run;

data newfa;
  set fa1 fa2(rename=(JCode=JobCode));
  by Name;
run;

proc print; run;

*---+---1---+---2---+---3---+---4---+---5---+---6---+---;
*** c08s2d1.sas ***;
dm "output;clear;log;clear";

Libname ia "C:\_SasCourse2006\Course1\SAS_Data";
data ia.compare;
  merge ia.performance ia.goals;
  by Month;
  Difference=Sales-Goal;
run;

proc print data=ia.compare;
  title 'Sales Performance';
run;

  proc sort data=ia.gersched out=work.gersched;
  by EmpID;
run;

data work.nextweek;
  merge ia.gercrew work.gersched;
  by EmpID;
run;

proc print data=work.nextweek;
run;

proc sort data=ia.gersched out=work.gersched;
  by EmpID;
run;
```

```

data work.nextweek;
  merge ia.gercrew
        work.gersched(in=InSched);
  by EmpID;
  if InSched=1;
run;

```

```

proc print data=work.nextweek;
run;

```

```

*---+---1---+---2---+---3---+---4---+---5---+---6---+---;
*** c08s2d2.sas ***;

```

```

proc sort data=ia.gersched out=work.gersched;
  by EmpID;
run;

```

```

data work.nextweek;
  merge ia.gercrew work.gersched;
  by EmpID;
run;

```

```

proc print data=work.nextweek; run;

```

```

*---+---1---+---2---+---3---+---4---+---5---+---6---+---;
*** c08s2d3.sas ***;

```

```

proc sort data=ia.gersched out=work.gersched;
  by EmpID;
run;

```

```

data work.nextweek;
  merge ia.gercrew
        work.gersched(in=InSched);
  by EmpID;
  if InSched=1;
run;

```

```

proc print data=work.nextweek; run;

```

```

*---+---1---+---2---+---3---+---4---+---5---+---6---+---;
*** c08s3d1.sas ***;

```

```

dm "output;clear;log;clear";

```

```

Libname ia "C:\_SasCourse2006\Course1\SAS_Data";

```

```

data ia.allcompare;
  merge ia.allsales ia.allgoals;
  by Month;
  Difference=Sales-Goal;
run;

```

```
*---+---1---+---2---+---3---+---4---+---5---+---6---+---;  
*** c08s3d2.sas ***;
```

```
data ia.allcompare2;  
  merge ia.allsales2 ia.allgoals2;  
  by Month;  
  Difference=Sales-Goal;  
run;
```