```
/*
Multiple SAS data sets can be merged based on a specific common variable to
give a single data set. This is done using the MERGE statement and BY statement.
There are two Prerequisites for merging data sets given below -
    input data sets must have at least one common variable to merge on.
    input data sets must be sorted by the common variable(s) that will be used to merge on.
Syntax:
MERGE Data-Set 1 Data-Set 2
BY Common Variable
*Data Merging;
DATA SALARY;
   INPUT empid name $ salary ;
DATALINES;
1 Rick 623.3
2 Dan 515.2
3 Mike 611.5
4 Ryan 729.1
5 Gary 843.25
6 Tusar 578.6
7 Pranab 632.8
8 Rasmi 722.5
RUN;
DATA DEPT;
  INPUT empid dEPT $ ;
DATALINES;
1 IT
2 OPS
3 IT
4 HR
5 FIN
6 IT
9 OPS
8 FIN
RUN;
DATA All_details;
MERGE SALARY DEPT;
BY empid;
RUN;
PROC PRINT DATA = All_details;
RUN;
*Merging only the Matches;
To avoid the missing values in the result we can consider keeping only the
observations with matched values for the common variable.
That is achieved by using the IN statement.
*/
DATA All_details;
MERGE SALARY (IN = a) DEPT (IN = b);
BY empid;
IF a = 1 and b = 1;
RUN;
PROC PRINT DATA = All_details;
RUN;
```

*SAS MERGE DATASETS;