

```
DM 'LOG; CLEAR; ODSRESULTS; CLEAR;'; /*Data Management */
/*Enter Data */
DATA prac1; /* Name of Dataset */
INPUT group color $ time @@;
/* Variables, $ = Character, @@ = Value Reoccurring */
DATALINES;
1 Red 115.3 2 Green 93.4
3 Blue 67.8 3 Yellow 87.2
4 Green 78.0 1 Blue 92.4
2 Blue 88.1 4 Red 97.3
3 Red 108.2 1 Green 113.5
1 Yellow 99.2 2 Red 104.5
2 Yellow 89.3 4 Yellow 75.4
4 Blue 83.9 3 Green 94.6
;
PROC PRINT DATA = prac1; /* Print Data */
TITLE " Practice 1, Problem 1, Bijesh Mishra"; /*Upto TITLE9 */
TITLE2 " Using the SAS DATA Step, enter data with three variables ";
FOOTNOTE "STAT 5193: SAS & R";

/* Sort Data, Aescending group, descending time */
PROC SORT DATA = prac1;
BY DESCENDING time;
BY group; /* ASCENDING DEFAULT */
PROC PRINT DATA = prac1;
TITLE " Practice 1, Problem 2, Bijesh Mishra";
TITLE2 " Sort data by descending time within ascending group and print sorted data.";
FOOTNOTE "STAT 5193: SAS & R";

/* Print data by Group */
PROC SORT DATA = prac1;
BY group; /* ASCENDING DEFAULT */
PROC PRINT DATA = prac1 NOOBS; /* NO OBS. # */
VAR group time; /* Print variables */
BY GROUP; /* Print by groups */
TITLE " Practice 1, Problem 3, Bijesh Mishra";
TITLE2 " Print sorted data from problem 2 by group. Supress color variable and observation numbers.";
FOOTNOTE "STAT 5193: SAS & R";

/*Sort data by color and group and print */
PROC SORT DATA = prac1;
BY color group;
PROC PRINT DATA = prac1;
TITLE " Practice 1, Problem 4, Bijesh Mishra";
TITLE2 " Sort the data by color and the group within color. Print data.";
FOOTNOTE "STAT 5193: SAS & R";
RUN;
QUIT;
```