```
1  ************************************************************;
2  *  Enhancing Reports                                       *;
3  ************************************************************;
4  *  Syntax and Example                                      *;
5  *                                                          *;
6  *    TITLEn "title-text";                                  *;
7  *    FOOTNOTEn "footnote-text";                            *;
8  *                                                          *;
9  *    LABEL col-name="label-text"                           *;
10 *          col-name="label-text";                          *;
11 *                                                          *;
12 *    Grouped Reports (sort first):                         *;
13 *    PROC procedure-name;                                  *;
14 *        BY col-name;                                      *;
15 *    RUN;                                                  *;
16 ************************************************************;
17
18 *Titles and Footnotes;
19 title1 "Class Report";
20 title2 "All Students";
21 footnote1 "Report Generated on 01SEP2018";
22
23 proc print data=pg1.class_birthdate;
24 run;
25
26 *Using macro variables;
27 %let age=13;
28
29 title1 "Class Report";
30 title2 "Age=&age";
31 footnote1 "Report Generated on %sysfunc(today(),date9.)";
32
33 proc print data=pg1.class_birthdate;
34     where age=&age;
35 run;
36
37 *Labels;
38 proc means data=sashelp.cars;
39     where type="Sedan";
40     var MSRP MPG_Highway;
41     label MSRP="Manufacturer Suggested Retail Price"
42           MPG_Highway="Highway Miles per Gallon";
43 run;
44
45 *Grouped Report;
46 proc sort data=sashelp.cars out=cars_sort;
47     by Origin;
48 run;
49
50 proc freq data=cars_sort;
51
52
```

```
    by Origin;
    tables Type;
run;

************************************************************;
*  Demo                                                    *;
*    1) Add a PROC SORT step before PROC PRINT to sort     *;
*       PG1.STORM_FINAL by BasinName and descending        *;
*       MaxWindMPH. Create a temporary table named         *;
*       STORM_SORT. Filter the rows to include only        *;
*       MaxWindMPH>156.                                    *;
*    2) Modify the PROC PRINT step to read the STORM_SORT  *;
*       table and group the report by BasinName.           *;
*    3) Add the following title: Category 5 Storms. Clear  *;
*       the title for future results.                      *;
*    4) Add labels for the following columns and ensure    *;
*       that PROC PRINT displays the labels:               *;
*       MaxWindMPH => Max Wind (MPH)                       *;
*       MinPressure => Min Pressure                        *;
*       StartDate => Start Date                            *;
*       StormLength => Length of Storm (days)              *;
*    5) Add the NOOBS option in the PROC PRINT statement   *;
*       to suppress the OBS column. Highlight the demo     *;
*       program and run the selected code.                 *;
************************************************************;
proc sort data=pg1.storm_final out=storm_sort;
    by BasinName descending MaxWindMPH;
    where MaxWindMPH >156;

run;

title "Category 5 Storms";
proc print data=storm_sort label;
    var Season Name MaxWindMPH MinPressure StartDate StormLength;
    by BasinName;
    label MaxWindMPH ="Max Wind (MPH)"
      MinPressure ="Min Pressure"
      StartDate = "Start Date"
      StormLength ="Length of Storm (days)";
run;

title;
```

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106
107
108
109
110
111
```