1. **Setting up data set**

Code:

/\* SAS proc print practice \*/

/\* creating a data location variable \*/

libname dataLink "S:/workshop/EPG2V2/data";

data birthdate;

set dataLink.class\_birthdate;

run;

/\* printing data table with only 4 observations \*/

proc print data = birthdate (obs = 4);

var Name age;

run;

/\* printing data table with title and foot note setting variable columns\*/

title "4 observations";

proc print data = birthdate (obs = 4);

var Name age;

footnote "table 1";

run;

/\* filtering data based on a value in a column and hiding obs column \*/

proc print data = birthdate NOOBS;

where age > 1;

run;

/\* sorting data by age and then grouping by age; \*/

proc sort data = birthdate;

by age;

run;

proc print data = birthdate;

by age;

run;

/\* using sum to get sum of numeric values at the bottom of the table \*/

proc print data = birthdate noobs;

sum age height weight;

by age;

run;

/\* /filtering rows based on multiple values \*/

title registration = c and age greater than 12;

proc print data = birthdate noobs;

where Registration = 'C' and age > 12;

run;

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**proc contents**

libname dataFile "S:/workshop/EPG2V2/data";

data birthdate;

set dataFile.class\_birthdate;

run;

title 'using collate';

proc contents data = birthdate order = collate;

run;

title "using varnum";

proc contents data = birthdate order = VARNUM;

run;

/\* getting data for all the files in the libarary \*/

proc datasets library = dataFile;

run;

title "using varnum";

proc contents data = dataFile.group details;

run;

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**Data Statement:**

libname dataFile "S:/workshop/EPG2V2/data";

/\* data step with only specific columns \*/

data birthdate;

set dataFile.class\_birthdate;

keep name age;

run;

\*title footnote practice

libname pg1 "S:/workshop/EPG1V2/data";

%let age = 13;

title1 "class report";

title2 "&age";

footnote "School use only";

proc print data = pg1.class\_birthdate;

where age = &age;

run;

title;

footnote;

**/\* practice labels\*/**

**libname pg1 "S:/workshop/EPG1V2/data";**

**proc means data = sashelp.cars;**

**where type = "Sedan";**

**var msrp mpg\_highway;**

**label msrp = "manufacturer suggested retail price"**

**mgp\_highway = "Highway Miles per gallon";**

**run;**

**proc print data = sashelp.cars split = "\*";**

**where type = "Sedan";**

**var msrp mpg\_highway make model;**

**label msrp = "manufacturer suggested\*retail price"**

**mgp\_highway = "Highway Miles\*per gallon";**

**run;**

\*segmenting data\*

proc sort data = sashelp.cars

out = cars\_out;

by origin;

run;

proc freq data = cars\_out;

by origin;

tables type;

run;