**\*QUESTION 1\***

**SAS ASSIGNMENT 2**

/\* Step A: Create a library pointing to the directory containing customer\_dim \*/

libname customer '/home/u64007678/my\_shared\_file\_links/jhshows0/STA5066';

/\* Step B & C: Create a temporary dataset 'youth' with the specified conditions and only keep the necessary variables \*/

data youth;

set customer.customer\_dim;

where Customer\_Gender = 'F'

and Customer\_Age between 18 and 36

and find(Customer\_Group, 'Gold', 'i') > 0;

run;

proc print data=youth;

run;

data youth;

set customer.customer\_dim(keep=Customer\_Name Customer\_Age Customer\_BirthDate Customer\_Gender Customer\_Group);

where Customer\_Gender = 'F'

and Customer\_Age between 18 and 36

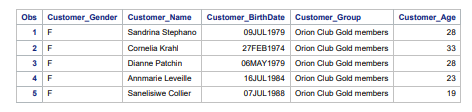
and find(Customer\_Group, 'Gold', 'i') > 0;

run;

proc print data=youth;

run;

**OUTPUT**:



**\*QUESTION 2\***

/\* Part A: Create a library called prg1 that points to the directory STA5066 \*/

libname prg1 '/home/u64007678/my\_shared\_file\_links/jhshows0/STA5066';

/\* Part B, C, D, and E: Create a temporary dataset 'sports' with the specified conditions,

exclude unnecessary variables, assign labels, and apply formats \*/

data sports;

set prg1.product\_dim(drop=Product\_ID Product\_Line Product\_Group Supplier\_ID);

where Supplier\_Country in ('GB', 'ES', 'NL')

and substr(Product\_Category, length(Product\_Category) - 5) = 'Sports';

label

Product\_Category = 'Sports Category'

Product\_Name = 'Product Name (Abbrev)'

Supplier\_Name = 'Supplier Name (Abbrev)';

format Product\_Name $15. Supplier\_Name $15.;

run;

/\* Part F: Include a PROC CONTENTS step to verify labels and formats \*/

proc contents data=sports;

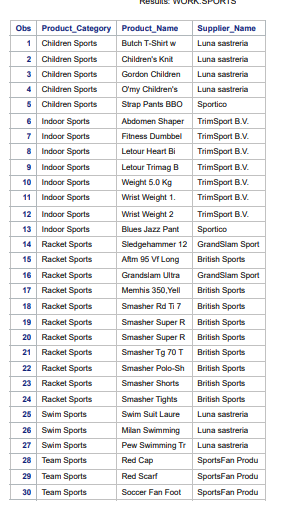
run;

/\* Part G: Include a PROC PRINT step to display 14 observations from the dataset work.sports \*/

proc print data=sports(obs=14);

run;

**OUTPUT;**

****

**QUESTION 3\***

/\* Define the library Nhanes3 pointing to the appropriate directory \*/

libname Nhanes3 '/home/u64007678/my\_shared\_file\_links/jhshows0/STA5066';

/\* Create the temporary dataset examsub1 with renamed variables and formats \*/

data examsub1;

set Nhanes3.exam;

/\* Keep only the selected variables \*/

keep hsageir hssex dmaracer bmpwt bmpht pep6g1 pep6h1 pep6i1 pep6g3 pep6h3 pep6i3 sppfvc sppfev1;

/\* Rename the variables \*/

rename hsageir = age

hssex = gender

dmaracer = race

bmpwt = wt\_kg

bmpht = ht\_cm

pep6g1 = sbp1

pep6h1 = sbp2

pep6i1 = sbp3

pep6g3 = dbp1

pep6h3 = dbp2

pep6i3 = dbp3

sppfvc = fvc

sppfev1 = fev1;

/\* Apply formats to ensure integer display \*/

format sbp1 sbp2 sbp3 dbp1 dbp2 dbp3 8.;

run;

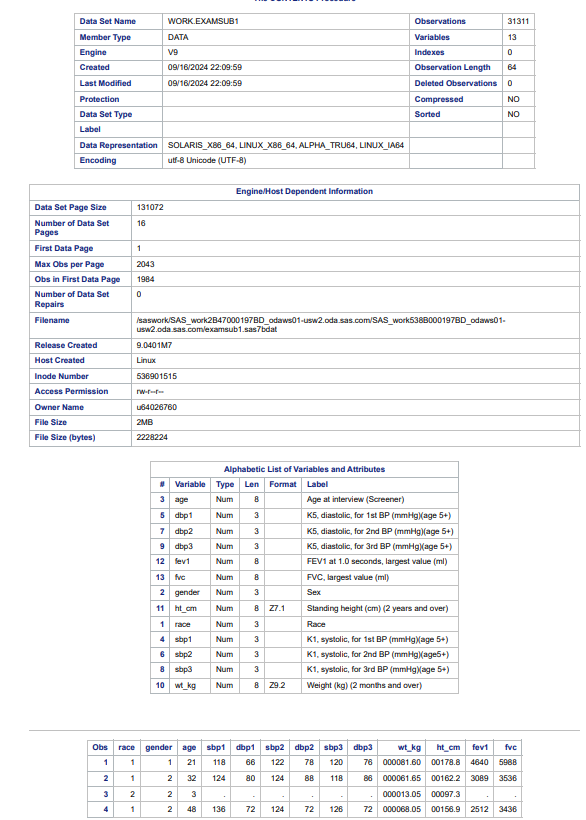
/\* Display the descriptor portion of the dataset examsub1 \*/

proc contents data=examsub1;

run;

/\* Print the first 7 observations of the dataset examsub1 \*/

proc print data=examsub1(obs=7);

run;**OUTPUT; **

**A table with numbers and letters

Description automatically generated**

**\*QUESTION 4\***

/\* Define the library NH pointing to the appropriate directory \*/

libname NH ' /home/u64007678/my\_shared\_file\_links/jhshows0/STA5066';

/\* Create the temporary dataset labsub1 with the specified variables \*/

data labsub1;

set NH.lab;

/\* Keep only the selected variables \*/

keep seqn hgp htp tcp tgp lcp hdp fbpsi crp sgp urp;

run;

/\* Display the descriptor portion of the dataset labsub1 \*/

proc contents data=labsub1;

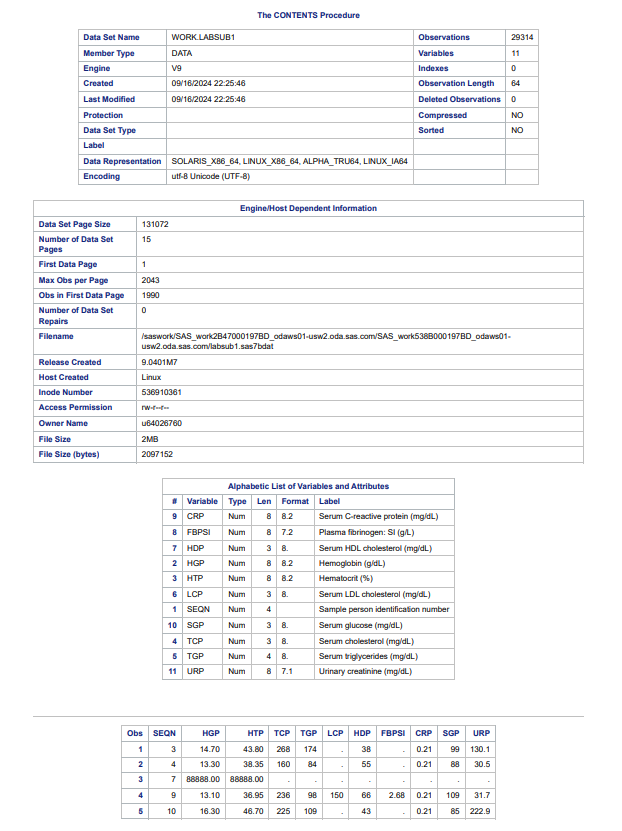
run;

/\* Print the first 5 observations of the dataset labsub1 \*/

proc print data=labsub1(obs=5);

run;

**OUTPUT;**

****

**\*QUESTION 5\***

/\* Define the library nh3 pointing to the appropriate directory \*/

libname nh3 '/home/u64007678/my\_shared\_file\_links/jhshows0/STA5066';

/\* Create the temporary dataset mortsub1 with filtering, variable selection, and labels \*/

data mortsub1;

set nh3.mortality;

/\* Filter data where eligstat equals 1 \*/

if eligstat = 1;

/\* Keep only the specified variables and assign labels \*/

keep SEQN MORTSTAT;

label MORTSTAT = 'Mortality Status';

run;

/\* Display the descriptor portion of the dataset mortsub1 \*/

proc contents data=mortsub1;

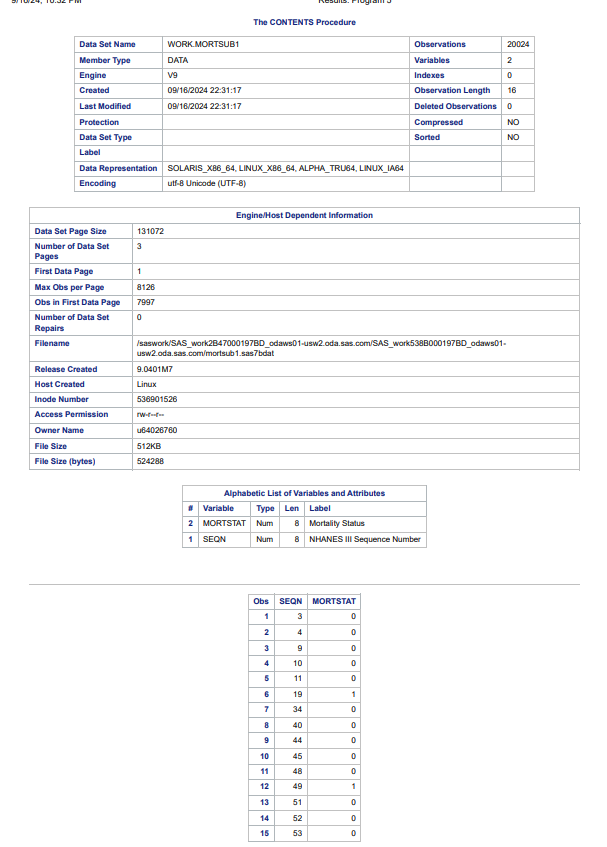
run;

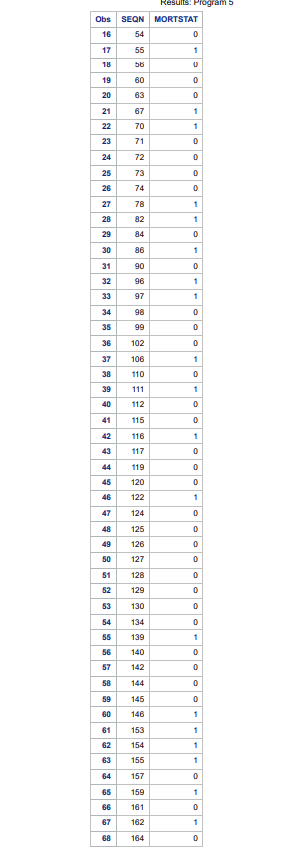
/\* Print the first 100 observations of the dataset mortsub1 \*/

proc print data=mortsub1(obs=100);

run;

**OUTPUT;**

****

****

**A white rectangular box with numbers

Description automatically generated**