**SAS ARRAY GRADED ASSIGNMENT**

**BY AVIJIT MALLICK**

**Path: Y:\Practice\Avijit Mallick Graded assignment\sas ARRAY Graded Assignment.**

libname array "Y:\Practice\Graded assignment\SQL";

**run**;

/\*importing data sheet\*/

**PROC** **IMPORT** DATAFILE = "Y:\Practice\Graded assignment\SQL\onlineorders.csv"

OUT = Array.order1

DBMS = csv

REPLACE;

**RUN**;

/\*replacing 0's with numeric missing values\*/

**data** array.orderMiss;

set array.order1;

array n\_miss(\*) \_numeric\_;

do i = 1 to *dim*(n\_miss);

if n\_miss(i) = 0 then n\_miss(i) = .;

end;

**run**;

/\*replacing 0's with character missing values\*/

**data** array.orderMiss1;

set array.ordermiss;

array n\_miss(\*) \_character\_;

do i = 1 to *dim*(n\_miss);

if n\_miss(i) = 0 then n\_miss(i) = .;

end;

**run**;

/\*replacing NA's with charecter missing values\*/

**data** array.orderMiss2;

set array.ordermiss1;

array n\_miss(\*) \_character\_;

do i = 1 to *dim*(n\_miss);

if n\_miss(i) = "NA" then n\_miss(i) = .;

end;

**run**;

**data** array.char\_m;

set array.order1;

array char\_var{\*} $ \_character\_;

do i = 1 to *dim*(char\_var);

char\_var{i} = *lowcase*(char\_var{i});

end;

**run**;

/\*Question 3.\*/

**PROC** **IMPORT** DATAFILE = "Y:\Practice\Graded assignment\SQL\file\scores.txt"

OUT = Array.score

DBMS = dlm

REPLACE;

delimiter = '09'x;

getnames = yes;

**RUN**;

**data** array.sum;

set array.score;

array sum{\*} \_numeric\_;

do i = 1 to *dim*(sum);

if sum{i} <65 then sum{i}=sum{i}+5;

end;

**run**;

/\*Question 4\*/

**PROC** **IMPORT** DATAFILE = "Y:\Practice\Graded assignment\SQL\file\sales.csv"

OUT = Array.sales

DBMS = csv

REPLACE;

getnames = yes;

**RUN**;

**data** array.percent1;

set array.sales;

array nproduct\_(\*) \_numeric\_;

array pproduct\_(\*) product\_1 - product\_4;

array per\_sales{4} \_temporary\_(9450,9100,8550,9700);

do i = 1 to 4;

pproduct\_(i) = nproduct\_(i)/per\_sales(i)\*100;

end;

drop i;

**run**;

/\*Question 6\*/

**data** array.subset;

set array.order1;

array vars(\*) \_character\_;

count= 0;

do i = 1 to *dim*(vars);

if vars(i) = "NA" then count = count+1;

end;

drop i;

**run**;

/\*Question 5\*/

**data** array.score;

input ID S1 S2 S3 S4;

**datalines**;

1 12 15 20 23

2 17 21 33 13

3 19 23 39 30

;

**run**;

**data** array.score1;

set array.score;

array Ascore[1:4] s1 - s4;

do ID = 1 to 3;

S = Ascore[ID];

output;

end;

**run**;