/\*symbolgen resolves the macro variables in the sas log window\*/

options symbolgen;

/\*assign a macro variable to week and weight, then index for each\*/

%let var= week;

%let var2=weight;

%let index= 1;

%let index2 =2;

/\* create a title for each output using macro\*/

%let title= %str(This is a test!);

title "&title";

title2 "&var.&index data";

**data** TEST;

/\* replace the input variables with macro variables\*/

input

&var.&index.

&var2.&index.

&var.&index2.

&var2.&index2.

;

datalines;

15 70 25 74

;

**run**;

**proc** **print** data= TEST noobs;

var &var.&index.

&var.&index2.

;

**run**;

/\*specifies the log messages will not be displayed\*/

options nosymbolgen;

Q2

options symbolgen mprint ;

**%macro** create(put);

%do i=**1** %to &put %by **1** ;

data \_NULL\_;

%put &i;

run;

%end;

**%mend** create;

%***create***(**5**)

options nosymbolgen nomprint ;

Q3

**%macro** lst(dsn);

%local dsid cnt rc;

%global vars;

%let vars=;

%let dsid= %sysfunc(open(&dsn));

%if &dsid ne **0** %then %do;

%let cnt= %sysfunc(attrn(&dsid, nvars));

%do i= **1** %to &cnt;

%let vars=&vars %sysfunc(varname(&dsid,&i));

%end;

%end;

%else %put &dsn cannot be opened.;

%let rc= %sysfunc(close(&dsid));

**%mend** lst;

%let dsn = loan\_risk;

%let vars = account

history

purpose

amount

savings

employment

married

debtors

resident

property

plans

housing

job

telephone

foreign

when\_assessed

rating;

ods exclude enginehost;

**proc** **contents**

data = &dsn

varnum;

**run**;

ods select all;

**proc** **print**

data = &dsn (obs=**10**);

format &vars;

**run**;

**proc** **print**

data = &dsn (obs=**10**)label;

**run**;

Q5

%***tested*** (indata=npda11,

test=glm,

dvlist=target,

clslist=ns,

ivlist=ns,

trt\_var=,

contrast=,

lstest=yes,

outdata=glmout4);

Q6

libname loanrisk "C:\Users\ayoyi\OneDrive - De Montfort University\Analytics programming\Week 6\loanrisk";

%let data\_dir = %str(C:\Users\ayoyi\OneDrive - De Montfort University\Analytics programming\Week 6\loanrisk);

%let data\_file = %str(psa06-credrating);

filename data "&data\_dir";

%let sas\_data = rating;

%let library = mywork; /\* set name of user library \*/

libname &library "&data\_dir"; /\* set location of user library \*/

options fmtsearch=(&library); /\* look for format files in this list \*/

**proc** **format**

library = &library; /\* resolves to library = mywork \*/

invalue &sas\_data

'bad' = **1**

'good' = **0**

other = **.**

/\* code to define purpose informat \*/

;

**run**;

**data** &library.**.**&sas\_data;

infile data(&data\_file)missover;

informat &sas\_data &sas\_data.;

input

customer

rating

;

**run**;