/\* name of code \*/

/\* what it does \*/

/\* create by \*/

/\* on which date \*/

/\* version \*/

data cars;

set sashelp.cars;

run;

data cars2;

set sashelp.cars;

where ranuni(12) <.25;

run;

/\* first proc \*/

proc datasets lib=work;

run;

libname ajay '/home/ajay4/test';

run;

data ajay.cars2;

set cars2;

run;

/\* second proc \*/

proc contents data=ajay.cars2;

run;

proc contents data=ajay.cars2 varnum;

run;

/\* third proc \*/

proc print data=ajay.cars2 (obs=5);

run;

proc print data=ajay.cars2 (obs=50);

var origin;

run;

/\* fourth proc \*/

/\* proc summary data=ajay.cars2 print; \*/

/\* run; \*/

proc means data=ajay.cars2;

run;

proc means data=ajay.cars2 nmiss mean median;

run;

proc means data=ajay.cars2 nmiss mean median;

var mpg\_city invoice;

run;

proc means data=ajay.cars2 n mean median;

var mpg\_city invoice;

class origin;

run;

proc means data=ajay.cars2 n mean median;

var invoice;

class origin;

run;

proc means data=ajay.cars2 mean median;

var invoice;

class origin;

run;

/\* #fifth proc \*/

proc freq data=ajay.cars2;

tables Make;

run;

proc freq data=ajay.cars2;

tables Origin /nocum nopercent;

run;

/\* sixth proc \*/

proc univariate data =cars;

var mpg\_city;

run;

proc univariate data =cars plot;

var Invoice;

run;

/\* Seventh proc \*/

proc corr data=ajay.cars2;

run;

/\* Data Manipulation \*/

data cars3;

set ajay.cars2;

if mpg\_city > 0 AND mpg\_city <=19 THEN mileage\_type='LOW MILEAGE';

else if mpg\_city > 19 AND mpg\_city<=25 THEN mileage\_type='AVG MILEAGE';

else if mpg\_city > 25 AND mpg\_city<=29 THEN mileage\_type='HIGH MILEAGE';

else mileage\_type='VERY HIGH MILEAGE';

run;

data car31;

set ajay.cars2;

where Origin="Asia";

run;

data cars4 (keep= make origin mpg\_city);

set cars3;

run;

data cars5;

set cars3 (drop=make origin type mpg\_city);

run;

/\* proc \*/

proc freq data=cars3;

tables mileage\_type/nopercent nocum norow nocol;

run;

/\* Question \*/

/\* which car gives maximum mileage per unit invoice value \*/

data carsq;

set sashelp.cars;

valueq= mpg\_city/invoice;

run;

proc means data=carsq max;

var valueq;

run;

proc contents data=carsq;

run;

data carsq2;

set carsq;

where valueq>0.00345;

run;

/\* Eigth proc and a data manipulator \*/

proc sql;

create table cars77

as

select \*

from sashelp.cars;

run;

proc sql;

create table carsEurope

as

select \*

from sashelp.cars

where origin="Europe";

run;

proc sql;

create table carsEurope

as

select \*

from sashelp.cars

where origin="Europe" and mpg\_city>24;

run;

proc sql;

select avg(mpg\_city),origin

from sashelp.cars

group by origin;

run;

proc means data=sashelp.cars mean;

var mpg\_city;

class origin;

run;

/\* how do I comment \*/

/\* my name is a comment \*/

PROC SQL;

SELECT model,type,

CASE

WHEN mpg\_city BETWEEN 0 AND 19 THEN 'LOW MILEAGE'

WHEN mpg\_city BETWEEN 19 AND 25 THEN 'AVG MILEAGE'

WHEN mpg\_city BETWEEN 25 AND 29 THEN 'HIGH MILEAGE'

ELSE 'VERY HIGH MILEAGE'

END AS mileageCAT

FROM sashelp.cars;

QUIT;

proc sql;

create table car17

as

select \* from sashelp.cars

where

( mpg\_city>select avg(mpg\_city) from sashelp.cars);

run;

/\* Tenth Proc \*/

proc sort data=car17;

by mpg\_city;

run;

data first ;

do i = 1 to 10;

y =i\*\*2;

output;

end;

run;

data second ;

do i = 1 to 100 by 5;

y =i\*\*2;

output;

end;

run;

data third (drop=i) ;

do i = 1 to 100 by 5;

y =i\*\*2;

output;

end;

run;

data fourth (drop=i) ;

do i = 100 to 1 by -20;

y =i\*\*2;

output;

end;

run;

data something (drop=i);

do i =1 to 10;

b=i\*\*2+2\*i;

output;

end;

run;