

```
*Name = Ugonna Okengwu*;
```

```
*Question 1a;
```

```
Title portfolio;
```

```
Data portfolio;
```

```
infile '/home/u63417899/BAN130ZBB/stocks.txt';
```

```
input Stock_symbol$ Price No_of_shares;
```

```
value = Price*No_of_shares;
```

```
run;
```

```
proc print data = portfolio;
```

```
run;
```

```
*Question 1b;
```

```
ODS noproctitle;
```

```
title average price and No of shares;
```

```
proc means data = portfolio n mean;
```

```
var price No_of_shares;
```

```
run;
```

```
*Question 2;
```

```
data prob2;
```

```
input ID$ Height weight SBP DBP;
```

```
Wtkg = Weight/2.2;
```

```
Htcm = Height*2.54;
```

```
aveBP = DBP + 1/3*(SBP-DBP);
```

```
Htpolynomial = 2*(Height*2) + 1.5*(Height*3);
```

```
Datalines;
```

```
001 68 150 110 70
```

```
002 73 240 150 90
```

```
003 62 101 120 80
```

```
;
```

```
Title "Listing of Prob2";
```

```
proc print data = Prob2;
```

```
run;
```

```
*Question 3;
```

```
Data Physics;
```

```
infile input V R E;
```

```
EMF = 1.45*V + (R/E)*(V**3) - 125;
```

```
run;
```

```
*Question 4
```

line 001 - New-data is not correct Names of data set should not have hyphens rather an underscore should be used. New_Data

line 002 - There was no "" or '' in between the location of the data.

line 003 - there is no semi colon at the end of the statement

line 006 - the mathematical expression should be in small letters in order to calculate New_Variable_from_X1_and_X2;

```
*Question 5
```

line 003 - dollar sign(\$) was not included after writing Gender variable to show it is a character variable.;

```
*CHAPTER 3
```

```
*Question 5;
```

```
Data calculation;
```

```
input x y;
```

```
Z = 100+(50*X)+2*(X**2)-25*Y+(Y**2);
```

```
Datalines;
```

```
1 2
```

```
3 6
```

```
5 9
9 11;
run;
```

```
Title Question 5 calculation output;
proc print data = CALCULATION;
run;
```

```
*Question 6;
```

```
Data Bank;
infile "/home/u63417899/BAN130ZBB/bank.txt";
input
Name          $1-15
Acct          $16-20
Balance       21-26
Rate          27-30;
Interest = Balance Dollar12.2;
run;
```

```
Title Question 6 Bank Customer Information;
proc print data = Bank;
run;
```

```
*Question 7;
```

```
Data Cache;
infile "/home/u63417899/BAN130ZBB/geocaching.txt";
input
Name          &1-20
LongDeg       21-22
LongMin       23-28
LatDeg        29-30
LatMin        31-36;
run;
```

```
Title Question 7 - Geocaching information;
proc print data = Cache;
run;
```

```
Question 10;
```

```
data stocks;
infile "/home/u63417899/BAN130ZBB/stocks.txt";
input
@1stock       $4.
@5PurDate     mmdyy10.
@15PurPrice   dollar6.2
@21Number     4.
@25SellDate   mmdyy10.
@35SellPrice  dollar6.2;
TotalPur = Number*PurPrice;
TotalSell = Number*SellPrice;
Profit = Total - TotalPur;

Format PurDate SellDate date9.
        PurPrice SellPrice dollar6.2
        TotalPur TotalSell Profit dollar10.2;

run;
```

```
Title Question 10 stock information;
proc print Data = stocks;
run;
```

```
*Question 11;
```

```
Data Employ;
infile "/home/u63417899/BAN130ZBB/employee.csv" dsd;
input
ID      :   $3.
Name    :   $20.
Depart  :   $8.
```

```
DateHire:  mmddyy10.  
Salary   :  dollar8.;
```

```
Format DateHire date9.  
       Salary dollar8.;  
run;
```

```
Title Question 11 Employee Information;
```

```
proc print data = Employ;  
run;
```

```
Title Department Frequency;
```

```
proc freq data = Employ;  
Table Depart;  
run;
```

portfolio

Obs	Stock_symbol	Price	No_of_shares	value
1	AMGN	67.66	100	6766.0
2	DELL	24.60	200	4920.0
3	GE	34.50	100	3450.0
4	HPQ	32.32	120	3878.4
5	IBM	82.25	50	4112.5
6	MOT	30.24	100	3024.0

average price and No of shares

Variable	N	Mean
Price	6	45.2616667
No_of_shares	6	111.6666667

Listing of Prob2

Obs	ID	Height	weight	SBP	DBP	Wtkg	Htcm	aveBP	Htpolynomial
1	001	68	150	110	70	68.182	172.72	83.333	578.0
2	002	73	240	150	90	109.091	185.42	110.000	620.5
3	003	62	101	120	80	45.909	157.48	93.333	527.0

Question 5 calculation output

Obs	x	y	Z
1	1	2	106
2	3	6	154
3	5	9	256

Question 7 - Geocaching information

Obs	Name	LongDeg	LongMin	LatDeg	LatMin
1	.	40	30.293	74	46.539
2	.	40	27.404	74	42.147
3	.	40	37.024	74	48.014
4	.	40	30.990	74	52.794

Question 10 stock information

Obs	stock	PurDate	PurPrice	Number	SellDate	SellPrice	TotalPur	TotalSell	Profit	Total
1	AMGN

Question 11 Employee Information

Obs	ID	Name	Depart	DateHire	Salary
1	123	Harold Wilson	Acct	15JAN1989	\$78,123
2	128	Julia Child	Food	29AUG1988	\$89,123
3	007	James Bond	Security	01FEB2000	\$82,100
4	828	Roger Doger	Acct	15AUG1999	\$39,100
5	900	Earl Davenport	Food	09SEP1989	\$45,399
6	906	James Swindler	Acct	21DEC1978	\$78,200

Department Frequency

Depart	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Acct	3	50.00	3	50.00
Food	2	33.33	5	83.33
Security	1	16.67	6	100.00