Assignment 6:

data a;

Input ID NAME$ SALARY;

Datalines;

ID NAME SALARY

1 Rick 623.3

2 Dan 515.2

3 Mike 611.5

4 Ryan 729.1

5 Gary 843.25

6 Tusar 578.6

7 Pranab 632.8

8 Rasmi 722.5

;

run;

data b;

Input ID DEPT;

Datalines;

ID DEPT

1 IT

2 OPS

3 IT

4 HR

5 FIN

6 IT

7 OPS

8 FIN

;

run;

proc sort data=a;

by id;

proc sort data=b;

by id;

data c;

merge a b;

by id;

run;

proc print data=c;

run;

DATA ITDEPT;

INPUT empid name $ salary DOJ date11.;

DATALINES;

1 Rick 623.3 02APR2001

3 Mike 611.5 21OCT2000

6 Tusar 578.6 01MAR2009

;

RUN;

DATA NON\_ITDEPT;

INPUT empid name $ salary;

DATALINES;

2 Dan 515.2

4 Ryan 729.1

5 Gary 843.25

7 Pranab 632.8

8 Rasmi 722.5

;

RUN;

data c1;

set ITDEPT NON\_ITDEPT;

by empid;

run;

proc print data=c1 noobs;

run;

DATA c2;

INPUT empid 1-2 ename $ 3-7 salary 8-14;

DATALINES;

1 Rick 623.3

3 Mike 611.5

6 Tusar 578.6

;

RUN;

DATA c3;

INPUT empid 1-2 ename $ 3-9 salary 10-16;

DATALINES;

2 Dan 515.2

4 Ryan 729.1

5 Gary 843.25

7 Pranab 632.8

8 Rasmi 722.5

;

RUN;

data d;

set c2 c3;

by empid;

run;

proc print data=d;

run;

DATA ITDEPT;

INPUT empid ename $ salary;

DATALINES;

1 Rick 623.3

3 Mike 611.5

6 Tusar 578.6

;

RUN;

DATA NON\_ITDEPT;

INPUT empid empname $ salary;

DATALINES;

2 Dan 515.2

4 Ryan 729.1

5 Gary 843.25

7 Pranab 632.8

8 Rasmi 722.5

;

RUN;

data ITDEPT2;

set ITDEPT (rename=(ename=name)) NON\_ITDEPT(rename=(empname=name));

by empid;

proc print data=itdept2 noobs;

DATA ITDEPT;

INPUT empid 1-2 ename $ 3-7 salary 8-14;

DATALINES;

1 Rick 623.3

3 Mike 611.5

6 Tusar 578.6

;

RUN;

DATA NON\_ITDEPT;

INPUT empid 1-2 ename $ 3-9 salary 10-16;

DATALINES;

2 Dan 515.2

4 Ryan 729.1

5 Gary 843.25

7 Pranab 632.8

8 Rasmi 722.5

;

RUN;

DATA All\_Dept;

LENGTH ename $ 7 ;

SET ITDEPT NON\_ITDEPT ;

RUN;

PROC PRINT DATA=All\_Dept;

RUN;

proc print data=q5 noobs;

DATA Employee1;

INPUT empid ename $ salary DEPT $;

DATALINES;

1 Rick 623.3 IT

2 Dan 515.2 OPS

3 Mike 611.5 IT

4 Ryan 729.1 HR

5 Gary 843.25 FIN

6 Tusar 578.6 IT

7 Pranab 632.8 OPS

8 Rasmi 722.5 FIN

;

RUN;

DATA Employee2;

INPUT empid name $ salary DEPT $;

DATALINES;

1 Rick 623.3 IT

2 Dan 515.2 OPS

3 Mike 611.5 IT

4 Ryan 729.1 HR

5 Gary 843.25 FIN

6 Tusar 578.6 IT

7 Pranab 632.8 OPS

8 Rasmi 722.5 FIN

;

RUN;

proc sort data=employee1;

by empid;

proc sort data=employee2;

by empid;

DATA merged\_dataset;

MERGE employee1 employee2;

BY empid;

IF SALARY >=500 and DEPT in ('IT', 'OPS');

RUN;

proc print data=merged\_dataset;

run;