```
/* 1) */

filename reffile '/home/jiarongj0/dognition.xlsx';

proc import datafile = reffile
    DBMS = XLSX
    OUT = WORK.IMPORT;
    GETNAMES = YES;
RUN;

PROC CONTENTS DATA = WORK.IMPORT;
RUN;


/* 2) */

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 All_Dept;
 set itdept(rename =(ename=Employee)) NON_ITDEPT(rename=(empname=Employee));
 run;
proc print data = All_Dept; RUN;



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
```

```
52 Gary   843.25
7 Pranab 632.8
8 Rasmi  722.5
run;
data newinput;
   LENGTH ename $ 1;
   SET ITDEPT NON_ITDEPT;
RUN;
PROC PRINT DATA = All_Dept;
RUN;



/* 3) */

DATA SALARY;
   INPUT empid name $ salary  ;
DATALINES;
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 DEPT;
   INPUT empid dEPT $ ;
DATALINES;
1 IT
2 OPS
3 IT
4 HR
5 FIN
6 IT
7 OPS
11 FIN
;
RUN;

DATA All_details;
MERGE SALARY DEPT;
by empid;
RUN;
PROC PRINT DATA = All_details;
RUN;


PROC DELETE DATA = DEPT SALARY;
RUN;


/* 4) */
```

```
DATA SALARY;
   INPUT empid name $ salary  ;
DATALINES;
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
9 sldfj .
;
RUN;
```

```
DATA DEPT;
   INPUT empid dEPT $ ;
DATALINES;
1 IT
2 OPS
3 IT
4 HR
5 FIN
6 IT
7 OPS
8 FIN
9
;
RUN;
```

```
data matches;
merge salary(in = a) dept(in = b);
by empid;
if a = 1 and b=1;
run;
```

```
proc print data = matches;
run;


/* 5) */
```

```
DATA Employee;
   INPUT empid name $ salary DEPT $ ;
   DATALINES;
1 Rick 623.3    IT
2 Dan 600.7     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 map;
   set Employee;
   keep name DEPT;
   drop name;
/* if salary <620 then delete; */
   run;
proc print data = map;
run;
/*  */
/*  */
/* proc delete data = map; */
/* run; */



/*  */
/* 6) */
```

```
DATA Employee;
   INPUT empid name $ salary DEPT $ ;
DATALINES;
1 Rick 545.09   IT
2 Dan 516.04    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 = Employee out=newplan;
by salary;
run;
```

```
proc print data= newplan;
run;
```

```
DATA Employee;
   INPUT empid name $ salary DEPT $ ;
DATALINES;
1 Rick 545.09   IT
2 Dan 516.04    OPS
3 Mike 611.5    IT
4 Ryan 843.25    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 = Employee out=newplan;
```

```
by salary descending DEPT;
run;
```

```
proc print data= newplan;
run;


/* 7) */
```

```
DATA Employee;
   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
;
```

```
proc format;
value $like 'IT' = 'Information'
'HR' = 'Hiring Manager';
run;
```

```
proc print data = Employee;
format name $upcase9. DEPT $like.;
run;

/*  */
/* 8) */
```

```
data a;
input id name $ score age;
datalines;
1 jane 34 23
2 kim  35 25
3 mary 54 23
4 jack 45 27
6 jim  34 21
5 jim  43 23
;
run;
```

```
proc sql;
create table view as
select * from a;
quit;
```

```
proc sql;
create table newtab as
select distinct name, sum(score) as total
```

```
from view
group by name;
quit;
```

```
proc sql;
update view
set id = (case when id=2 then id*5 else id end);
set id = id*2;
end;
quit;
```

```
proc sql;
select * from view
order by id asc;
quit;
```

```
proc sort data = view out=mytab;
by descending id;
run;
```

```
proc print data = mytab;
run;
```

```
/* 9) */
```

```
DATA TEMP;
INPUT ID $ NAME $ SALARY DEPARTMENT $;
DATALINES;
1 Rick 623.3 IT
2 Dan 515.2 Operations
3 Michelle 611 IT
4 Ryan 729 HR
5 Gary 843.25 Finance
6 Nina 578 IT
7 Simon 632.8 Operations
8 Guru 722.5 Finance
;
RUN;
```

```
proc sql;
delete from TEMP
WHERE SALARY <700;
QUIT;
```