1. **Create the table SEMP with the following structure:- EMPNO CHAR(4) EMPNAME CHAR(20) BASIC FLOAT DEPTNO CHAR(2) DEPTHEAD CHAR(4)**

dbms\_ass1=# create table SEMP

dbms\_ass1-# (EMPNO CHAR(4),

dbms\_ass1(# EMPNAME CHAR(20),

dbms\_ass1(# BASIC FLOAT,

dbms\_ass1(# DEPTNO CHAR(2),

dbms\_ass1(# DEPTHEAD CHAR(4));

CREATE TABLE

dbms\_ass1=# \d SEMP;

Table "public.semp"

Column | Type | Collation | Nullable | Default

----------+------------------+-----------+----------+---------

empno | character(4) | | |

empname | character(20) | | |

basic | double precision | | |

deptno | character(2) | | |

depthead | character(4) | | |

**2. Create the table SDEPT with the following structure:- DEPTNO CHAR(2) DEPTNAME CHAR(15)**

dbms\_ass1=# create table SDEPT

dbms\_ass1-# (DEPTNO CHAR(2),DEPTNAME CHAR(15)) ;

CREATE TABLE

dbms\_ass1=# \d SDEPT;

Table "public.sdept"

Column | Type | Collation | Nullable | Default

----------+---------------+-----------+----------+---------

deptno | character(2) | | |

deptname | character(15) | | |

**3. Insert into the SDEPT table the following values:- 10, Development 20, Training**

dbms\_ass1=# insert into SDEPT(deptno,deptname) values(10,'Development'),(20,'Training');

INSERT 0 2

dbms\_ass1=# select \* from SDEPT;

deptno | deptname

--------+-----------------

10 | Development

20 | Training

(2 rows)

**4. Insert into the SEMP table the following values:- 0001, SUNIL, 6000, 10 0002, HIREN, 8000, 20 0003, ALI, 4000, 10, 0001 0004, GEORGE, 6000, 0002**

dbms\_ass1=# insert into SEMP values

dbms\_ass1-# ('0001','SUNIL',6000,'10'),('0002','HIREN',8000,'20');

INSERT 0 2

dbms\_ass1=# insert into SEMP values

dbms\_ass1-# ('0003','ALI',4000,'10','0001'),('0004','GEORGE',6000,'','0002');

INSERT 0 2

dbms\_ass1=# select \* from SEMP;

empno | empname | basic | deptno | depthead

-------+----------------------+-------+--------+----------

0001 | SUNIL | 6000 | 10 |

0002 | HIREN | 8000 | 20 |

0003 | ALI | 4000 | 10 | 0001

0004 | GEORGE | 6000 | | 0002

(4 rows)

**5. Display all the data from the S table.**

dbms\_ass1=# select \* from s;

S# | sname | status | city

-------+-------+--------+--------

S1 | Smith | 20 | London

S2 | Jones | 10 | Paris

S3 | Blake | 30 | Paris

S4 | Clark | 20 | London

S5 | Adams | 30 | Athens

(5 rows)

**6. Display only the S# and SNAME fields from the S table.**

dbms\_ass1=# select "S#","sname" from s;

S# | sname

-------+-------

S1 | Smith

S2 | Jones

S3 | Blake

S4 | Clark

S5 | Adams

(5 rows)

**7. Display the PNAME and COLOR from the P table for the CITY=”London”.**

dbms\_ass1=# select pname,color from p where city='London';

pname | color

-------+-------

Nut | Red

Screw | Red

Cog | Red

(3 rows)

**8. Display all the Suppliers from London.**

dbms\_ass1=# select \* from s where city='London';

S# | sname | status | city

-------+-------+--------+--------

S1 | Smith | 20 | London

S4 | Clark | 20 | London

(2 rows)

**9. Display all the Suppliers from Paris or Athens.**

dbms\_ass1=# select \* from s where city='Paris' or city='Athens';

S# | sname | status | city

-------+-------+--------+--------

S2 | Jones | 10 | Paris

S3 | Blake | 30 | Paris

S5 | Adams | 30 | Athens

(3 rows)

**10. Display all the Projects in Athens.**

dbms\_ass1=# select \* from j where city='Athens';

J# | jname | city

-------+---------+--------

J3 | OCR | Athens

J4 | Console | Athens

(2 rows)

**11. Display all the Partnames with the weight between 12 and 14(inclusive of both).**

dbms\_ass1=# select pname from p where weight between 12 and 14;

pname

-------

Nut

Screw

Cam

(3 rows)

**12. Display all the Suppliers with a Status greater than or equal to 20.**

dbms\_ass1=# select \* from s where status>=20;

S# | sname | status | city

-------+-------+--------+--------

S1 | Smith | 20 | London

S3 | Blake | 30 | Paris

S4 | Clark | 20 | London

S5 | Adams | 30 | Athens

(4 rows)

**13. Display all the Suppliers except the Suppliers from London.**

dbms\_ass1=# select \* from s where city!='London';

S# | sname | status | city

-------+-------+--------+--------

S2 | Jones | 10 | Paris

S3 | Blake | 30 | Paris

S5 | Adams | 30 | Athens

(3 rows)

**14. Display only the Cities from where the Suppliers come from.**

dbms\_ass1=# select city from s;

city

--------

London

Paris

Paris

London

Athens

(5 rows)

**15. Assuming that the Part Weight is in GRAMS, display the same in MILLIGRAMS and KILOGRAMS.**

dbms\_ass1=# select weight\*1000 from p;

?column?

----------

12000

17000

17000

14000

12000

19000

(6 rows)

dbms\_ass1=# select weight/1000 from p;

?column?

----------

0

0

0

0

0

0

(6 rows)