**1. Create the table SEMP with the following structure:-**

**EMPNO CHAR(4)**

**EMPNAME CHAR(20)**

**BASIC FLOAT**

**DEPTNO CHAR(2)**

**DEPTHEAD CHAR(4)**

assgn\_5=# create table SEMP (EMPNO CHAR(4),

assgn\_5(# EMPNAME CHAR(20),

assgn\_5(#

assgn\_5(# BASIC FLOAT,

assgn\_5(# DEPTNO CHAR(2),

assgn\_5(# DEPTHEAD CHAR (4)

assgn\_5(# );

CREATE TABLE

assgn\_5=#

assgn\_5=# TABLE SEMP ;

empno | empname | basic | deptno | depthead

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

(0 rows)

assgn\_5=# \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)**

assgn\_5=# CREATE TABLE SDEPT (DEPTNO CHAR(2),

assgn\_5(# DEPTNAME CHAR(15)

assgn\_5(# );

CREATE TABLE

assgn\_5=# \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**

assgn\_5=# INSERT INTO SDEPT values(10,'development'),(20,'training');

INSERT 0 2

assgn\_5=# table 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**

assgn\_5=# INSERT INTO SEMP VALUES(0001, 'SUNIL', 6000, 10 ),

assgn\_5-# (0002, 'HIREN', 8000, 20);

INSERT 0 2

assgn\_5=# INSERT INTO SEMP VALUES(0003, 'ALI', 4000, 10, 0001);

INSERT 0 1

assgn\_5=# INSERT INTO SEMP VALUES(0004, 'GEORGE', 6000, 0002);

INSERT 0 1

assgn\_5=# table SEMP;

empno | empname | basic | deptno | depthead

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

1 | SUNIL | 6000 | 10 |

2 | HIREN | 8000 | 20 |

3 | ALI | 4000 | 10 | 1

4 | GEORGE | 6000 | 2 |

(4 rows)

**Create S, P, J, SPJ tables as specified below and insert a few rows in each table:-**

**SUPPLIER**

**(S#, Sname, Status, City)**

**- S**

**PARTS**

**(P#, Pname, Color, Weight, City)**

**- P**

**PROJECTS**

**(J#, Jname, City)**

**- J**

**SUPPLIER-PARTS-PROJECT**

**(S#, P#, J#, Qty)**

**- SPJ**

**Sample data for S# column:- ‘S1’, ‘S2’, ‘S3’, etc.**

**Sample data for P# column:- ‘P1’, ‘P2’, ‘P3’, etc.**

**Sample data for J# column:- ‘J1’, ‘J2’, ‘J3’, etc.**

**Sample data for Status column:- 10, 20, 30, etc.**

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

assgn\_5=# table s;

s\_no | s\_name | status | city

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

S1 | Smith | 20 | London

S2 | Jones | 10 | Paris

S3 | Blake | 30 | Paris

S4 | Clark | 20 | London

S5 | Adams | 30 | Athens

(5 rows)

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

assgn\_5=# select s\_no , s\_name from S ;

s\_no | s\_name

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

S1 | Smith

S2 | Jones

S3 | Blake

S4 | Clark

S5 | Adams

(5 rows)

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

p\_name | colour

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

Nut | Red

Screw | Red

(2 rows)

**Display all the Suppliers from London.**

assgn\_5=# select \* from S where city='London';

s\_no | s\_name | status | city

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

S1 | Smith | 20 | London

S4 | Clark | 20 | London

(2 rows)

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

assgn\_5=# select \* from S where city='Paris' or city='Athens';

s\_no | s\_name | status | city

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

S2 | Jones | 10 | Paris

S3 | Blake | 30 | Paris

S5 | Adams | 30 | Athens

(3 rows)

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

assgn\_5=# select \* from J where city='Athens';

j\_no | j\_name | city

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

J3 | OCR | Athens

(1 row)

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

assgn\_5=# select \* from P where weight between 12 and 14;

p\_no | p\_name | colour | weight | city

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

P1 | Nut | Red | 12 | London

P4 | Screw | Red | 14 | London

P5 | Cam | Blue | 12 | Paris

(3 rows)

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

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

assgn\_5=# select \* from S WHERE CITY != 'London' ;

s\_no | s\_name | status | city

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

S2 | Jones | 10 | Paris

S3 | Blake | 30 | Paris

S5 | Adams | 30 | Athens

(3 rows)

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

assgn\_5=# select city from S;

city

--------

London

Paris

Paris

London

Athens

(5 rows)