Computer Lab – Practical Question Bank

FACULTY OF COMMERCE, OSMANIA UNIVERSITY

B.Com.(Business Analytics) - I semester
Data Driven Decision Making

Time: 60 Minutes

Record : 10
Viva-Voce : 10
Skill Test : 15

Total Marks : 35

A. Create a **Supplier** table as shown below : (for questions from 1 to 10)

Sup_No (Primary Key)	**Sup_Name**	**Item_Supplied**	**Item_Price**	**City**
S1	Suresh	Keyboard	400	Hyderabad
S2	Kiran	Processor	8000	Delhi
S3	Mohan	Mouse	350	Delhi
S4	Ramesh	Processor	9000	Bangalore
S5	Manish	Printer	6000	Mumbai
S6	Srikanth	Processor	8500	Chennai

1. Write sql query to display Suplier numbers and Supplier names whose name starts with 'R'

2. Write sql query to display the name of suppliers who supply Processors and whose city is Delhi.

3. Write sql query to display the names of suppliers who supply the same items as supplied by Ramesh.

4. Write sql query to increase the price of Keyboard by 200.

5. Write sql query to display supplier numbers, Suplier names and itemprice for suppliers in delhi in the ascending order of itemprice.

6. Write sql query to add a new column called CONTACTNO.

7. Write sql query to delete the record whose itemprice is the lowest of all the items supplied .

8. Create a view on the table which displays only supplier numbers and supplier names.

9. Write sql query to display the records in the descending order of itemprice for each itemsupplied.

10. Write sql query to display the records of suppliers who supply items other than Processor or Keyboard.

B. Below are the details of Employees working for a software Company. (For questions from 11 to 20)

Create the table called **EmpDetails** with the below mentioned details.

Eid (Primary Key)	**Ename**	**DOB**	**Designation**	**Salary**	**DOJ**
E101	Suma	29-Dec-89	Designer	20000	01-Apr-10
E102	Amit	10-Jan-95	Programmer	25000	18-Feb-18
E103	Payal	15-Aug-85	Tester	35000	13-Jun-11
E104	Kiran	20-Apr-90	Programmer	40000	7-Mar-14
E105	Meenal	29-May-83	DBA	50000	9-Dec-11
E106	Sheila	1-May-70	Analyst	60000	25-Sep-18
E107	Swamy	13-Jan-85	Programmer	45000	14-Feb-16
E108	Sushma	22-Dec-76	DBA	45000	31-Jan-12

11. Write sql query to display all the employees whose designation is Programmer.

12. Write sql query to display employees who have joined after 2014.

13. Write sql query to display all the employees whose name ends with 'a'.

14. Write sql query to display the total salary of all the employees whose designation is programmer.

15. Write sql query to display all the employee names in upper case.

16. Write sql query to display the details of the employee with highest experience.

17. Write sql query to display the details of the employees whose name contains 'ee'.

18. Write sql query to increase the salaries of employees by 5000 whose designation is DBA.

19. Write sql query to display the employees whose salary is more than the average salary of all the employees.

20. Write sql query to display the record in the following format:

xxxxxxxxx is working as xxxxxxxxxxxxxx with a Salary of Rs.xxxxxxxx

eg: Suma is working as Designer with a Salary of Rs. 20000

C. Create the two tables as shown below with the given constraints: (for questions 21 to 30)

Table name: **Employee**

Constraints: Eid is Primary key and DeptId is foreign key

Salary should not be less than 10000

Eid (Primary Key)	**Ename**	**DeptId (Foreign Key)**	**Designation**	**Salary (> 10000)**	**DOJ**
101	Sudha	D2	Clerk	20000	01-Apr-10
102	David	D1	Manager	50000	18-Feb-18
103	Preethi	D3	Clerk	35000	13-Jun-11
104	Kiran	D1	Salesman	20000	7-Mar-14
105	Meenal	D2	Clerk	50000	9-Dec-11
106	Sunitha	D3	Manager	60000	25-Sep-18
107	Akhil	D3	Clerk	25000	14-Feb-16
108	Sushma	D2	Manager	45000	31-Jan-12

Tablename: **Department**

Constraints:DeptId Primary key

and Dname is NOT NULL

DeptId (Primary Key)	**Dname**
D1	Sales
D2	Marketing
D3	Finance

21. Write sql query to display all the employees who earn more than average salary of all the employees in the company.

22. Write sql query to display the fields Eid, Ename and Dname.

23. Write sql query to sort the employee table in the descending order of salaries.

24. Write sql query to list all the job designations in the employee table without repetitions.

25. Write sql query to display all the employee details Department wise and in the ascending order of their salaries.

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Time: 60 Minutes

Record	:	10
Viva-Voce	:	10
Skill Test	:	15
Total Marks	:	35

A) Questions from 1 to 10 for the Queries given below

SQL> Create table Supplier(snovarchar2(2) primary key,sname varchar2(8), item varchar2(10),price number(4),city varchar2(10));

SQL> insert into Supplier values('&sno','&sname','&item',&price,'&city');
Enter value for sno: s1
Enter value for sname: Suresh
Enter value for item: Keyboard
Enter value for price: 400
Enter value for city:Hyderabad
old 1: insert into Supplier values('&sno','&sname','&item',&price,'&city')
new 1: insert into Supplier values('s1','Suresh','Keyboard',400,'Hyderabad')

1 row created.

SQL> /
Enter value for sno: s2
Enter value for sname: Kiran
Enter value for item: Processor
Enter value for price: 8000
Enter value for city: Delhi
old 1: insert into Supplier values('&sno','&sname','&item',&price,'&city')
new 1: insert into Supplier values('s2','Kiran','Processor',8000,'Delhi')

1 row created.

SQL> /
Enter value for sno: s3
Enter value for sname: Mohan
Enter value for item: Mouse
Enter value for price: 350
Enter value for city: Delhi
old 1: insert into Supplier values('&sno','&sname','&item',&price,'&city')
new 1: insert into Supplier values('s3','Mohan','Mouse',350,'Delhi')

1 row created.

SQL> /
Enter value for sno: s4

```
Enter value for sname: Ramesh
Enter value for item: Processor
Enter value for price: 9000
Enter value for city: Banglore
old 1: insert into Supplier values('&sno','&sname','&item',&price,'&city')
new 1: insert into Suppliervalues('s4','Ramesh','Processor',9000,'Banglore')

1 row created.
SQL> /
Enter value for sno: s5
Enter value for sname: Manish
Enter value for item: Printer
Enter value for price: 6000
Enter value for city: Mumbai
old 1: insert into Supplier values('&sno','&sname','&item',&price,'&city')
new 1: insert into Supplier values('s5','Manish','Printer',6000,'Mumbai')

1 row created.

SQL> /
Enter value for sno: s6
Enter value for sname: Srikanth
Enter value for item: Processor
Enter value for price: 8500
Enter value for city: Chennai
old 1: insert into Supplier values('&sno','&sname','&item',&price,'&city')
new 1: insert into Supplier values('s6','Srikanth','Processor',8500,'Chennai')

1 row created.


SQL> select *from supplier;

SN   SNAME      ITEM       PRICE  CITY
-- -------- ---------- ---------- -------- ---------- ---------- ---------
s1   Suresh     Keyboard   400    Hyderabad
s2   Kiran      Processor  8000   Delhi
s3   Mohan      Mouse      350    Delhi
s4   Ramesh    Processor  9000   Banglore
s5   Manish     Printer    6000   Mumbai
s6   Srikanth   Processor  8500   Chennai

6 rows selected.
```

Q1) Write sql query to display supplier numbers and supplier names whose name starts with ‘R’.

```
SQL> select sno,sname from supplier where sname like 'R%';

SN   SNAME
-- ----------
s4   Ramesh
```

Q2) Write sql query to display the name of suppliers who supply Processors and whose city is Delhi.

```
SQL> select sname from supplier where item='Processor' and city='Delhi';
SNAME
```

Kiran

Q3) Write sql query to display the names of suppliers who lsupply the same items as supplied by Ramesh.

```
SQL> select sname from supplier where item=(select item from supplier where sname='Ramesh');

SNAME
--------
Kiran
Ramesh
Srikanth
```

Q4) Writesql query to increase the price of keyboard by 200.

```
SQL> update supplier set price=price+200 where item='Keyboard';

1 row updated.

SQL> select *from supplier;

SN SNAME ITEM PRICECITY
-- -------- ---------- ---------- ------------ -------- ---------- ---------
s1 Suresh Keyboard 600 Hyderabad
s2 Kiran Processor 8000 Delhi
s3 Mohan Mouse 350 Delhi
s4 RameshProcessor 9000 Banglore
s5 Manish Printer 6000 Mumbai
s6 Srikanth Processor 8500 Chennai

6 rows selected.
```

Q5) Write sql query to display supplier numbers, supplier names and item price for suppliers in delhi in the ascending order of itemprice.

```
SQL> select sno,sname,price from supplier where city='Delhi' order by price;

SN SNAME PRICE
-- -------- ------------------
s3 Mohan 350
s2 Kiran 8000
```

Q6) Writesql query to add a new column called contact no.

```
SQL> alter table supplier add(contact number(10));

Table altered.
SQL>desc supplier;
 Name Null? Type
 ----------------------------------------- -------- ---------------------------------
 SNO NOTNULL VARCHAR2(2)
 SNAME VARCHAR2(8)
 ITEM VARCHAR2(10)
 PRICE NUMBER(4)
 CITY VARCHAR2(10)
 CONTACT NUMBER(10)
```

Q7) Writesql query to delete the record whose itemprice is lowest of all the items supplied.
SQL> delete from supplier where price<=(select min(price) from supplier);

1 row deleted.

SQL> select *from supplier;

SN	SNAME	ITEM	PRICE	CITY	CONTACT
s1	Suresh	Keyboard	600	Hyderabad	
s2	Kiran	Processor	8000	Delhi	
s4	Ramesh	Processor	9000	Banglore	
s5	Manish	Printer	6000	Mumbai	
s6	Srikanth	Processor	8500	Chennai	

Q8) Create a view on the table which displays only supplier numbers and supplier names.
SQL> create view supplier_v as select sno,sname from supplier;

View created.

SQL> select *from supplier_v;

SN	SNAME
s1	Suresh
s2	Kiran
s4	Ramesh
s5	Manish
s6	Srikanth

Q9) Write sql query to display the records in the descending order of itemprice for each itemsupplied.
SQL> select *from supplier order by price desc;

SN	SNAME	ITEM	PRICE	CITY	CONTACT
s4	RameshProcessor	9000	Banglore		
s6	Srikanth	Processor	8500	Chennai	
s2	Kiran	Processor	8000	Delhi	
s5	Manish	Printer	6000	Mumbai	
s1	Suresh	Keyboard	600	Hyderabad	

Q10) Write sql query to display the records of suppliers who supply items other than processors or keyboard.
SQL> select *from supplier where item notin('Processor','Keyboard');

SN	SNAME	ITEM	PRICE	CITY	CONTACT
s5	Manish	Printer	6000	Mumbai	

B) Questions from 11 to 20 for the Queries given below

SQL> Create table emp(eidvarchar2(4) primary key, ename varchar2(8), dob date, desg varchar2(10), sal number(5),doj date);

SQL> insert into empvalues('&eid','&ename','&dob','&desg',&sal,'&doj');
Enter value for eid: e101
Enter value for ename: suma
Enter value for dob: 29-dec-89
Enter value for desg: designer
Enter value for sal: 20000
Enter value for doj: 01-apr-10
old 1: insert into emp values('&eid','&ename','&dob','&desg',&sal,'&doj')
new 1: insert into emp values('e101','suma','29-dec-89','designer',20000,'01-a pr-10')

1 row created.

SQL> /
Enter value for eid: e102
Enter value for ename: amit
Enter value for dob: 10-jan-95
Enter value for desg:programmer
Enter value for sal:25000
Enter value for doj: 18-feb-18
old 1: insert into emp values('&eid','&ename','&dob','&desg',&sal,'&doj')
new 1: insert into emp values('e102','amit','10-jan-95','programmer',25000,'18-feb-18')

1 row created.

SQL> /
Enter value for eid: e103
Enter value for ename: payal
Enter value for dob: 15-aug-85
Enter value for desg: tester
Enter value for sal: 35000
Enter value for doj: 13-jun-11
old 1: insert into emp values('&eid','&ename','&dob','&desg',&sal,'&doj')
new 1: insert into emp values('e103','payal','15-aug-85','tester',35000,'13-Jun-11')

1 row created.

SQL> /
Enter value for eid: e104
Enter value for ename: kiran
Enter value for dob: 20-apr-90
Enter value for desg:programmer
Enter value for sal:40000
Enter value for doj: 7-mar-14
old 1: insert into emp values('&eid','&ename','&dob','&desg',&sal,'&doj')
new 1: insert into emp values('e104','kiran','20-apr-90','programmer',40000,'7-mar-14')

1 row created.

```
SQL> /
Enter value for eid:e105
Enter value for ename: meenal
Enter value for dob:29-may-83
Enter value for desg:dba
Enter value for sal: 50000
Enter value for doj: 9-dec-11
old 1: insert into emp values('&eid','&ename','&dob','&desg',&sal,'&doj')
new 1: insert into emp values('e105','meenal','29-may-83','dba',50000,'9-dec-11')

1 row created.

SQL> /
Enter value for eid: e106
Enter value for ename: sheila
Enter value for dob: 1-may-70
Enter value for desg: analyst
Enter value for sal: 60000
Enter value for doj: 25-sep-18
old 1: insert into emp values('&eid','&ename','&dob','&desg',&sal,'&doj')
new 1: insert into emp values('e106','sheila','1-may-70','analyst',60000,'25-s ep-18')

1 row created.

SQL> /
Enter value for eid: e107
Enter value for ename:swamy
Enter value for dob:13-jan-85
Enter value for desg: programmer
Enter value for sal: 45000
Enter value for doj: 14-feb-16
old 1: insert into emp values('&eid','&ename','&dob','&desg',&sal,'&doj')
new 1: insert into emp values('e107','swamy','13-jan-85','programmer',45000,'14-feb-16')

1 row created.

SQL> /
Enter value for eid:e108
Enter value for ename:sushma
Enter value for dob: 22-dec-76
Enter value for desg:dba
Enter value for sal: 45000
Enter value for doj: 31-jan-12
old 1: insert into emp values('&eid','&ename','&dob','&desg',&sal,'&doj')
new 1: insert into emp values('e108','sushma','22-dec-76','dba',45000,'31-jan- 12')

1 row created.
```

SQL> select *from emp;

EID	ENAME	DOB	DESG	SAL	DOJ
e101	suma	29-DEC-89	designer	20000	01-APR-10
e102	amit	10-JAN-95	programmer	25000	18-FEB-18
e103	payal	15-AUG-85	tester	35000	13-JUN-11
e104	kiran	20-APR-90	programmer	40000	07-MAR-14
e105	meenal	29-MAY-83	dba	50000	09-DEC-11
e106	sheila	01-MAY-70	analyst	60000	25-SEP-18
e107	swamy	13-JAN-85	programmer	45000	14-FEB-16
e108	sushma	22-DEC-76	dba	45000	31-JAN-12

8 rows selected.

Q11) Write sql query to display all the employees whose designation is programmer.
SQL> select *from emp where desg='programmer';

EID	ENAME	DOB	DESG	SAL	DOJ
e102	amit	10-JAN-95	programmer	25000	18-FEB-18
e104	kiran	20-APR-90	programmer	40000	07-MAR-14
e107	swamy	13-JAN-85	programmer	45000	14-FEB-16

Q12) Write sql query to display employees who have joined after 2014.
SQL> select *from emp where extract(year from doj)>2014;

EID	ENAME	DOB	DESG	SAL	DOJ
e102	amit	10-JAN-95	programmer	25000	18-FEB-18
e106	sheila	01-MAY-70	analyst	60000	25-SEP-18
e107	swamy	13-JAN-85	programmer	45000	14-FEB-16

Q13) Write sql query to display all the employees whose name ends with ‘a’.
SQL> select *from emp where enamelike'%a';

EID	ENAME	DOB	DESG	SAL	DOJ
e101	suma	29-DEC-89	designer	20000	01-APR-10
e106	sheila	01-MAY-70	analyst	60000	25-SEP-18
e108	sushma	22-DEC-7	dba	45000	31-JAN-12

Q14) Write sql query to display the total salary of all the employees whose designation is programmer.

SQL> select sum(sal) from emp where desg='programmer';

SUM(SAL)
110000

Q15) Write sql query to display all the employee names in upper case.

SQL> select upper(ename) from emp;

```
UPPER(ENAME)
--------------------
SUMA
AMIT
PAYAL
KIRAN
MEENAL
SHEILA
SWAMY
SUSHMA

8 rows selected.
```

Q16) Write sql query to display the details of the employee with highest experience.

```
SQL> alter table empadd(experience number(3));

Table altered.

SQL> update emp set experience=extract(year from sysdate)-extract(year from 2 doj);

8 rows updated.

SQL> select *from emp where experience>=(select max(experience) from emp);
EID      ENAMEDOB                DESG              SAL               DOJ      EXPERIENCE
---- -------- --------- ---------- ---------- --------- ----------
e101     suma    29-DEC-89        designer          20000             01-APR-10        9
```

Q17) Write sql query to display the details of the employees whose name contains ‘ee’.

```
SQL> select *from emp where ename like '%ee%';

EID      ENAME    DOB              DESG    SAL       DOJ
---- -------- --------- ---------- ---------- -----------------------------------
e105     meenal29-MAY-83        dba       5000009-DEC-11
```

Q18) Write sql query to increase the salaries of employees by 5000 whose designation is dba.

```
SQL> update emp set sal=sal+5000 where desg='dba';

2 rows updated.

SQL> select *from emp;

EID      ENAME           DOB              DESG              SAL      DOJ
-------------------------------------------------------------------------------------------------
e101     suma            29-DEC-89        designer          20000    01-APR-10
e102     amit            10-JAN-95        programmer        25000    18-FEB-18
e103     payal           15-AUG-85        tester            35000    13-JUN-11
e104     kiran           20-APR-90        programmer        40000    07-MAR-14
e105     meenal          29-MAY-83        dba               55000    09-DEC-11
e106     sheila          01-MAY-70        analyst           60000    25-SEP-18
e107     swamy           13-JAN-85        programmer        45000    14-FEB-16
```

e108 sushma 22-DEC-76 dba 50000 31-JAN-12

8 rows selected.

Q19) Write sql query to display the employees whose salary is more than the average salary of all the employees.

SQL> select *from emp where sal>(select avg(sal) from emp);

EID	ENAME	DOB	DESG	SAL	DOJ
e105	meenal	29-MAY-83	dba	55000	9-DEC-11
e106	sheila	01-MAY-70	analyst	60000	25-SEP-18
e107	swamy	13-JAN-85	programmer	45000	14-FEB-16
e108	sushma	22-DEC-76	dba	50000	31-JAN-12

Q20) Write sql query to display the record in the following format:
xxxxxxx is working as xxxxxxxxx with a salary ofRs.xxxxxxxxxx.
eg: Suma is working as Designer with a Salary ofRs.20000

C) Questions from 21 to 30 for the Queries given below

SQL> create table dept(deptid varchar2(2) primary key,dname varchar2(10));
SQL> insert into deptvalues('&deptid','&dname');
Enter value for deptid: d1
Enter value for dname: sales
old 1: insert into dept values('&deptid','&dname')
new 1: insert into dept values('d1','sales')

1 row created.

SQL> /
Enter value for deptid: d2
Enter value for dname: marketing
old 1: insert into dept values('&deptid','&dname')
new 1: insert into dept values('d2','marketing')

1 row created.

SQL>.
SQL>/
Enter value for deptid: d3
Enter value for dname: finance
old 1: insert into dept values('&deptid','&dname')
new 1: insert into dept values('d3','finance')

1 row created.

SQL> select *fromdept;

```
DE      DNAME
-- ----------
d1      sales
d2      marketing
d3      finance

SQL> create table employee(eid number(3) primary key,ename varchar2(8),deptid varchar2(2),desg
varchar2(10),sal number(5),dojdate,constraintfke foreign key(deptid) references dept(deptid));

SQL> insert into employee values(&eid,'&ename','&dept','&desg',&sal,'&doj');
Enter value for eid: 101
Enter value for ename: sudha
Enter value for dept: d2
Enter value for desg: clerk
Enter value for sal: 20000
Enter value for doj:01-apr-10
old 1: insert into employee values(&eid,'&ename','&dept','&desg',&sal,'&doj')
new 1: insert into employee values(101,'sudha','d2','clerk',20000,'01-apr-10')

1 row created.

SQL> /
Enter value for eid: 102
Enter value for ename:david
Enter value for dept:d1
Enter value for desg: manager
Enter value for sal: 50000
Enter value for doj: 18-feb-18
old 1: insert into employee values(&eid,'&ename','&dept','&desg',&sal,'&doj')
new 1: insert into employee values(102,'david','d1','manager',50000,'18-feb-18 ')

1 row created.

SQL> /
Enter value for eid:103
Enter value for ename:preethi
Enter value for dept:d3
Enter value for desg: clerk
Enter value for sal: 35000
Enter value for doj: 13-jun-11
old 1: insert into employee values(&eid,'&ename','&dept','&desg',&sal,'&doj')
new  1: insert into employee values(103,'preethi','d3','clerk',35000,'13-jun-11 ')

1 row created.

SQL> /
Enter value for eid: 104
Enter value for ename: kiran
Enter value for dept: d1
Enter value for desg: salesman
Enter value for sal: 20000
Enter value for doj: 7-mar-14
old 1: insert into employee values(&eid,'&ename','&dept','&desg',&sal,'&doj')
```

new 1: insert into employee values(104,'kiran','d1','salesman',20000,'7-mar-14 ')

1 row created.

SQL> /
Enter value for eid:105
Enter value for ename:meenal
Enter value for dept:d2
Enter value for desg: clerk
Enter value for sal: 50000
Enter value for doj: 9-dec-11
old 1: insert into employee values(&eid,'&ename','&dept','&desg',&sal,'&doj')
new 1: insert into employee values(105,'meenal','d2','clerk',50000,'9-dec-11')
1 row created.

SQL> /
Enter value for eid:106
Enter value for ename:sunitha
Enter value for dept:d3
Enter value for desg: manager
Enter value for sal: 60000
Enter value for doj: 25-sep-18
old 1: insert into employee values(&eid,'&ename','&dept','&desg',&sal,'&doj')
new 1: insert into employee values(106,'sunitha','d3','manager',60000,'25-sep- 18')

1 row created.

SQL> /
Enter value for eid: 107
Enter value for ename: akhil
Enter value for dept: d3
Enter value for desg: clerk
Enter value for sal: 25000
Enter value for doj:14-feb-16
old 1: insert into employee values(&eid,'&ename','&dept','&desg',&sal,'&doj')
new 1: insert into employee values(107,'akhil','d3','clerk',25000,'14-feb-16')

1 row created.

SQL> /
Enter value for eid:108
Enter value for ename:sushma
Enter value for dept:d2
Enter value for desg: manager
Enter value for sal: 45000
Enter value for doj: 31-jan-12
old 1: insert into employee values(&eid,'&ename','&dept','&desg',&sal,'&doj')
new 1: insert into employee values(108,'sushma','d2','manager',45000,'31-jan-1 2')

1 row created.

SQL> select *from employee;

EID	ENAME	DE	DESG	SAL	DOJ
101	sudha	d2	clerk	20000	01-APR-10
102	david	d1	manager	50000	18-FEB-18
103	preethi	d3	clerk	35000	13-JUN-11
104	kiran	d1	salesman	20000	07-MAR-14
105	meenal	d2	clerk	50000	09-DEC-11
106	sunitha	d3	manager	60000	25-SEP-18
107	akhil	d3	clerk	25000	14-FEB-16
108	sushma	d2	manager	45000	31-JAN-12

8 rowsselected.

21) Writesqlquerytodisplayalltheemployeeswhoearnmorethanaveragesalaryofalltheemployees in thecompany.

SQL> select *from employee where sal>=(select avg(sal) from employee);

EID	ENAME	DE	DESG	SAL	DOJ
102	david	d1	manager	50000	18-FEB-18
105	meenal	d2	clerk	50000	09-DEC-11
106	sunitha	d3	manager	60000	25-SEP-18
108	sushma	d2	manager	45000	31-JAN-12

Q22) Write sql query to display the fields eid, ename and dname.

SQL> select eid,ename,dname from employee e,dept d where e.deptid=d.deptid;

EID	ENAME	DNAME
101	sudha	marketing
102	david	sales
103	preethi	finance
104	kiran	sales
105	meenal	marketing
106	sunitha	finance
107	akhil	finance
108	sushma	marketing

8 rows selected.

Q23) Write sql query to sort the employee table in the descending order of salaries.

SQL> select *from employee order by saldesc;

EID	ENAME	DEDESG	SAL	DOJ
106	sunitha	d3	manager	60000	25-SEP-18

102	david	d1	manager	50000	18-FEB-18
105	meenal	d2	clerk	50000	09-DEC-11
108	sushma	d2	manager	45000	31-JAN-12
103	preethi	d3	clerk	35000	13-JUN-11
107	akhil	d3	clerk	25000	14-FEB-16
101	sudha	d2	clerk	20000	01-APR-10
104	kirand1		salesman	20000	07-MAR-14 8

rows selected.

Q24) Write sql query to list all the job designations in the employee table without repetitions.

SQL> select desg from employee group by desg;

DESG
---
salesman
clerk
manager

Q25) Writesql query to display all the employee details department wise and in the ascending order. SQL> select *from employee e,dept d where e.deptid=d.deptid order by dname;

EID	ENAME	DE	DESG	SAL	DOJ	DE	DNAME
107	akhil	d3	clerk	25000	14-FEB-16	d3	finance
103	preethi	d3	clerk	35000	13-JUN-11	d3	finance
106	sunitha	d3	manager	60000	25-SEP-18	d2	finance
101	sudha	d2	clerk	20000	01-APR-10	d2	marketing
108	sushma	d2	manager	45000	31-JAN-12	d2	marketing
105	meenal	d2	clerk	50000	09-DEC-11	d2	marketing
102	david	d1	manager	50000	18-FEB-18	d1	sales
104	kiran	d1	salesman	20000	07-MAR-14	d1	sales

8 rows selected.