```
                    ======================================
                    ||  19th AUG 2015- EMPLOYEE DATABASE  ||
                    ======================================
```

19th aug 2015
****

SQL> ed
Wrote file afiedt.buf

```
  1   create table employee18(
  2   eno varchar(4) primary key,
  3   ename varchar(15) NOT NULL,
  4   salary number(9,2),
  5   dno varchar(4),
  6   mgr_name varchar(15),
  7   doj varchar(12),
  8   job varchar(20),
  9   addres varchar(10),
 10   city varchar(10),
 11   pin number(6),
 12   constraint c1 check(eno like 'E%'),
 13   constraint c2 check(salary<>0),
 14   constraint c3 foreign key(dno) references department18 on delete cascade,
 15*  constraint c4 check(city in ('Cochin','Bombay','Madras','Delhi')))
SQL> /
```

Table created.

SQL> describe empolyee18;

```
Name
Null?     Type
----------------------------------------------------------------------------------------------------------
-------- --------------------------------------------------------------------------
ENO
NOT NULL VARCHAR2(4)

ENAME
NOT NULL VARCHAR2(15)
 SALARY

NUMBER(9,2)

DNO
VARCHAR2(4)

MGR_NAME
VARCHAR2(15)

DOJ
VARCHAR2(12)

JOB
VARCHAR2(20)
 ADDRES

VARCHAR2(10)

CITY
VARCHAR2(10)

PIN
NUMBER(6)
```

###***

Commit complete.
SQL> create table department18(dno varchar(4) primary key,dname varchar(10) NOT NULL,cnt_emp number
(5),dept_mgr varchar(15));

Table created.

SQL> describe department18;

Name
Null?   Type

-------- --

DNO
NOT NULL VARCHAR2(4)

DNAME
NOT NULL VARCHAR2(10)

CNT_EMP
NUMBER(5)

DEPT_MGR
VARCHAR2(15)

##

9th sept 2015
****

SQL> select * from employee18;

```
ENO  ENAME           SALARY DNO  MGR_NAME       DOJ          JOB                 ADDRES
CITY            PIN
---- --------------- ---------- ---- --------------- ------------ ------------------- ----------
---------- ----------
E001 Kiran             70000 D01  Arun           09/08/2005   Accountant          Sreeyam
Cochin   682311
E002 Vaisakh           50000 D01  Arun           09/08/2005   Assistant           Madathil   Delhi
         673417
E003 Karthik          125000 D02                 04/05/2007   Manager             Kokkattil
Madras   794731
E004 Farhan           175000 D04                 03/08/2004   Manager             Aryalayam
Bombay   834157
E005 Mridula          155000 D03                 03/02/2010   Manager             Kolat
Cochin   682311
E006 Lakshmi           50000 D03  Mridula        02/05/2011   Sales Rep           Melepat
Cochin   682311
E007 Arun             130000 D01                 03/07/1995   Manager             Rosevilla
Cochin   682311
E008 Alan              40000 D04  Farhan         01/07/2009   Creative Head       Heaven
Bombay   834157
```

8 rows selected.

###

SQL> select * from department18;

```
DNO  DNAME        CNT_EMP DEPT_MGR
---- ---------- ---------- ---------------
D01  Finance           20 Arun
D02  Sales            110 Karthik
```

```
D03  Product            75 Mridula
D04  Publicity          30 Farhan
```

##
Q.1

```
SQL> select ename from employee18 where doj>'01-jan-05' and dno='D04';

ENAME
---------------
Alan
```
###

Q.2

```
SQL> select * from employee18 where dno<>'D03';

ENO  ENAME          SALARY DNO  MGR_NAME      DOJ          JOB                  ADDRES
CITY            PIN
---- -------------- ---------- ---- -------------- ------------ ------------------- ----------
---------- ----------
E001 Kiran             70000 D01  Arun          09/08/2005   Accountant           Sreeyam
Cochin    682311
E002 Vaisakh           50000 D01  Arun          09/08/2005   Assistant            Madathil   Delhi
          673417
E003 Karthik          125000 D02                04/05/2007   Manager              Kokkattil
Madras    794731
E004 Farhan           175000 D04                03/08/2004   Manager              Aryalayam
Bombay    834157
E007 Arun             130000 D01                03/07/1995   Manager              Rosevilla
Cochin    682311
E008 Alan              40000 D04  Farhan        01/07/2009   Creative Head        Heaven
Bombay    834157

6 rows selected.
```

###

Q.3

```
SQL> select ename from employee18 where dno=(select dno from department18 where dname='Sales');

ENAME
---------------
Karthik
```

###
Q.4

```
SQL> select ename from employee18 where mgr_name='NULL';

ENAME
---------------
Karthik
Farhan
Mridula
Arun
```

###

Q.5
```
SQL> select ename from employee18 where ename like 'N_v%';

ENAME
---------------
Alan
```

```
###################################################################
Q.6

SQL>  select * from employee18 where doj like '_____2005';

ENO  ENAME            SALARY DNO  MGR_NAME       DOJ          JOB                 ADDRES
CITY              PIN
---- --------------- ---------- ---- -------------- ------------ ------------------- ----------
---------- ----------
E001 Kiran             70000 D01  Arun           09/08/2005   Accountant          Sreeyam
Cochin   682311
E002 Vaisakh           50000 D01  Arun           09/08/2005   Assistant           Madathil   Delhi
        673417

###################################################################
Q.7

SQL> select 'Every Year '||ename||' earns '||salary*12 from employee18;

'EVERYYEAR'||ENAME||'EARNS'||SALARY*12
-----------------------------------------------------------------------
Every Year Kiran earns 840000
Every Year Vaisakh earns 600000
Every Year Karthik earns 1500000
Every Year Farhan earns 2100000
Every Year Mridula earns 1860000
Every Year Lakshmi earns 600000
Every Year Arun earns 1560000
Every Year Alan earns 480000

8 rows selected.



 ###################################################################

Q.8

SQL>  select count(*) from employee18;

  COUNT(*)
----------
        8

###################################################################
Q.9

SQL> select job,min(salary) from employee18 group by job;

JOB                 MIN(SALARY)
------------------- -----------
Assistant                 50000
Manager                  125000
Creative Head             40000
Sales Rep                 50000
Accountant                70000

###################################################################
Q.10
SQL> select dno,job,min(salary) from employee18 group by job,dno having min(salary)>50000;

DNO  JOB                 MIN(SALARY)
---- ------------------- -----------
D01  Accountant                70000
D02  Manager                  125000
D03  Manager                  155000
D04  Manager                  175000
```

```
D01  Manager                    130000

################################################################
Q.11

SQL> select dno,min(salary) from employee18 group by job,dno having job='Manager';

DNO  MIN(SALARY)
---- -----------
D02      125000
D03      155000
D04      175000
D01      130000

################################################################

Q.12
SQL> select ename,dname from employee18,department18 where employee18.dno=department18.dno and
job='Manager';

ENAME           DNAME
--------------- ----------
Karthik         Sales
Farhan          Publicity
Mridula         Product
Arun            Finance

################################################################
Q.13

SQL> select ename,to_char(doj,'dd/mm/yy') from employee18;

ENAME           TO_CHAR(
--------------- --------
Kiran           09/08/05
Vaisakh         09/08/05
Karthik         04/05/07
Farhan          03/08/04
Mridula         03/02/10
Lakshmi         02/05/11
Arun            03/07/95
Alan            01/07/09

8 rows selected.
```