DBMS LAB - Assignment 2

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Q1: Create a new user making "your_name" as user-name and "your_surname" as the password.

```
SQL> create user mayank identified by shrivastava;

User created.
```

Q2: Grant all privileges to the newly created user.

```
SQL> grant all privileges to mayank
  2  ;

Grant succeeded.
```

Q3: connect to the new user.

```
SQL> connect mayank
Enter password:
Connected.
```

Q4: Create a table employee with attributes emp_id, f_name , l_name , job_type, salary, commision, dept, and manager_id.

```
SQL> CREATE TABLE EMPLOYEE(
  2  emp_id INT,
  3  f_name VARCHAR(50),
  4  l_name VARCHAR(50),
  5  job_type VARCHAR(50),
  6  salary INT,
  7  commision INT,
  8  dept VARCHAR(50),
  9  manager_id INT
 10  );

Table created.
```

Q5: Describe the table employee

```
SQL> DESC EMPLOYEE;
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------
 EMP_ID                                             NUMBER(38)
 F_NAME                                             VARCHAR2(50)
 L_NAME                                             VARCHAR2(50)
 JOB_TYPE                                           VARCHAR2(50)
 SALARY                                             NUMBER(38)
 COMMISION                                          NUMBER(38)
 DEPT                                               VARCHAR2(50)
 MANAGER_ID                                         NUMBER(38)
```

Q6: Add a new column doj to the employee table.

```
SQL> ALTER TABLE EMPLOYEE ADD (doj VARCHAR(50));

Table altered.
```

Q7: Create a new table department with attributes d_name, d_loc, and hod_id.

```
SQL> CREATE TABLE DEPARTMENT(
  2  d_name VARCHAR(50),
  3  d_loc VARCHAR(50),
  4  hod_id INT
  5  );

Table created.
```

Q8: Create another table named location with attributes loc_id, city and contact_no.

```
SQL> CREATE TABLE LOCATION(
  2  loc_id INT,
  3  city VARCHAR(50),
  4  contact_no INT
  5  );

Table created.
```

Q9. Enhance the size of city attribute in location table by 5.

```
SQL> ALTER TABLE LOCATION MODIFY city VARCHAR(55);

Table altered.
```

Q10. Delete the contact_no attribute in the location table.

```
SQL> ALTER TABLE LOCATION DROP COLUMN contact_no;

Table altered.
```

Q11. Rename the city attribute in the location table to address.

```
SQL> ALTER TABLE LOCATION RENAME COLUMN city TO address;

Table altered.
```

Q12. Change the name of the table from location to loc.

```
SQL> ALTER TABLE LOCATION RENAME TO loc;

Table altered.
```

Q13. Insert the following values into the loc table.

LOC_ID	ADDRESS
1	kolkata
2	mumbai

```
SQL> INSERT INTO LOC (LOC_ID, ADDRESS)
  2  VALUES (1, 'KOLKATA');

1 row created.

SQL> INSERT INTO LOC (LOC_ID, ADDRESS)
  2  VALUES (2, 'MUMBAI');

1 row created.
```

Q14. Show the values of location table.

```
SQL> SELECT * FROM LOC;

    LOC_ID ADDRESS
---------- ----------------------
-
         1 KOLKATA
         2 MUMBAI
```

Q15. Delete all values and spaces consumed by loc table.

```
SQL> DELETE FROM LOC;

2 rows deleted.
```

Q16. Delete the loc table.

```
SQL> DROP TABLE LOC;

Table dropped.
```

Q17. Insert the following values into the department table.

D_Name	D_LOC	HOD_ID
sales	Kol	4
accounts	delhi	6
production	kol	1
marketing	kol	2
r&d	delhi	8

```
SQL> INSERT INTO DEPARTMENT(d_name, d_loc, hod_id)
  2  VALUES('sales', 'KOL', '4');

1 row created.

SQL> INSERT INTO DEPARTMENT(d_name, d_loc, hod_id)
  2  VALUES('ACCOUNTS', 'DELHI', '6');

1 row created.

SQL> INSERT INTO DEPARTMENT(d_name, d_loc, hod_id)
  2  VALUES('PRODUCTION', 'KOL', '1');

1 row created.

SQL> INSERT INTO DEPARTMENT(d_name, d_loc, hod_id)
  2  VALUES('MARKETING', 'KOL', '2');

1 row created.

SQL> INSERT INTO DEPARTMENT(d_name, d_loc, hod_id)
  2  VALUES('R&D', 'DELHI', '8');
```

Q18. Insert the following values into the employee table.

EMP_ID	F		L_NAME JO		SA COMM		DEPT MANAGER_ID	DOJ
1	arun		mar	9000		production		04-JAN-1998
2	barun		kumar manager	8000		marketing		09-FEB-1998
3	chitra		engineer	6000		production		08-JAN-1998
4	dheeraj	mishra	mar	7500		sales	2	27-DEC-2001
5	emma		engineer	5500		production		20-MAR-2002
6	floki	dutt	accountant	70		accounts		16-JUL-2000
7	dheeraj	kumar	clerk	400		accounts	6	01-JUL-2016
8	saul	good	eng	6000		r&d		06-SEP-2014
9	mou		clerk	300		sales	4	08-MAR-2018
10	sunny		deol salesman		20000 1	marketir		31-MAR-01
11	bobby		deol engineer	3500		r&d	8	17-OCT-17
12	amir	khan	sale		15000	marketing		11-JAN-13

Run SQL Command Line

```
 DOJ                                                DATE

SQL> INSERT INTO EMPLOYEE(EMP_ID, F_NAME, L_NAME, JOB_TYPE, SALARY, COMMISIO
N, DEPT, MANAGER_ID, DOJ)
  2  VALUES('1', 'ARUN', 'KHAN', 'MANAGER', '90000', NULL, 'PRODUCTION', NUL
L, TO_DATE('04-01-1998', 'DD-MM-YYYY'));

1 row created.

SQL> INSERT INTO EMPLOYEE(EMP_ID, F_NAME, L_NAME, JOB_TYPE, SALARY, COMMISIO
N, DEPT, MANAGER_ID, DOJ)
  2  VALUES('2', 'BARUN', 'KUMAR', 'MANAGER', '80000', NULL, 'MAR
KETING', NULL, TO_DATE('09-02-1998', 'DD-MM-YYYY'));

1 row created.

SQL> INSERT INTO EMPLOYEE(EMP_ID, F_NAME, L_NAME, JOB_TYPE, SALARY, COMMISIO
N, DEPT, MANAGER_ID, DOJ)
  2  VALUES('3', 'CHITRA', 'KAPOOR', 'ENGINEER', '60000', NULL, '
PRODUCTION', '1', TO_DATE('08-01-1998', 'DD-MM-YYYY'));

1 row created.

SQL> INSERT INTO EMPLOYEE(EMP_ID, F_NAME, L_NAME, JOB_TYPE, SALARY, COMMISIO
N, DEPT, MANAGER_ID, DOJ)
  2  VALUES('4', 'DHEERAJ', 'MISHRA', 'MANAGER', '75000', NULL, '
SALES', '2', TO_DATE('27-12-2001', 'DD-MM-YYYY'));

1 row created.

SQL> INSERT INTO EMPLOYEE(EMP_ID, F_NAME, L_NAME, JOB_TYPE, SALARY, COMMISIO
N, DEPT, MANAGER_ID, DOJ)
  2  VALUES('5', 'EMMA', 'DUTT', 'ENGINEER', '55000', NULL, 'PROD
UCTION', '1', TO_DATE('20-03-2002', 'DD-MM-YYYY'));

1 row created.

SQL> INSERT INTO EMPLOYEE(EMP_ID, F_NAME, L_NAME, JOB_TYPE, SALARY, COMMISIO
N, DEPT, MANAGER_ID, DOJ)
  2  VALUES('6', 'FLOKI', 'DUTT', 'ACCOUNTANT', '70000', NULL, 'A
CCOUNTS', NULL, TO_DATE('20-03-2000', 'DD-MM-YYYY'));

1 row created.
```

```
SQL> INSERT INTO EMPLOYEE(EMP_ID, F_NAME, L_NAME, JOB_TYPE, SALARY, COMMISIO
N, DEPT, MANAGER_ID, DOJ)
  2  VALUES('7', 'DHEERAJ', 'KUMAR', 'CLERK', '60000', NULL, 'ACCOUNTS', '6'
, TO_DATE('01-07-2016', 'DD-MM-YYYY'));

1 row created.

SQL> INSERT INTO EMPLOYEE(EMP_ID, F_NAME, L_NAME, JOB_TYPE, SALARY, COMMISIO
N, DEPT, MANAGER_ID, DOJ)
  2  VALUES('8', 'SAUL', 'GOOD', 'ENGINEER', '60000', NULL, 'R&D'
, NULL, TO_DATE('06-09-2014', 'DD-MM-YYYY'));
Enter value for d: &D
old   2: VALUES('8', 'SAUL', 'GOOD', 'ENGINEER', '60000', NULL, 'R&D', NULL,
 TO_DATE('06-09-2014', 'DD-MM-YYYY'))
new   2: VALUES('8', 'SAUL', 'GOOD', 'ENGINEER', '60000', NULL, 'R&D', NULL,
 TO_DATE('06-09-2014', 'DD-MM-YYYY'))

1 row created.
```

```
SQL>
SQL> INSERT INTO EMPLOYEE(EMP_ID, F_NAME, L_NAME, JOB_TYPE, SALARY, COMMISIO
N, DEPT, MANAGER_ID, DOJ)
  2  VALUES('9', 'MOU', 'BHAT', 'CLERK', '30000', NULL, 'SALES',
'4', TO_DATE('08-03-2018', 'DD-MM-YYYY'));

1 row created.

SQL> INSERT INTO EMPLOYEE(EMP_ID, F_NAME, L_NAME, JOB_TYPE, SALARY, COMMISIO
N, DEPT, MANAGER_ID, DOJ)
  2  VALUES('10', 'SUNNY', 'DEOL', 'SALESMAN', '20000', '10000',
'MARKETING', '2', TO_DATE('31-03-2001', 'DD-MM-YYYY'));

1 row created.

SQL> INSERT INTO EMPLOYEE(EMP_ID, F_NAME, L_NAME, JOB_TYPE, SALARY, COMMISIO
N, DEPT, MANAGER_ID, DOJ)
  2  VALUES('11', 'BOBBY', 'DEOL', 'ENGINEER', '35000', NULL, 'R
and D', '8', TO_DATE('17-10-2017', 'DD-MM-YYYY'));

1 row created.

SQL> INSERT INTO EMPLOYEE(EMP_ID, F_NAME, L_NAME, JOB_TYPE, SALARY, COMMISIO
N, DEPT, MANAGER_ID, DOJ)
  2  VALUES('12', 'AMIR', 'KHAN', 'SALESMAN', '15000', '5000', 'M
ARKETING', '2', TO_DATE('11-01-2013', 'DD-MM-YYYY'));

1 row created.
```

Q19. Save the database.

```
SQL> commit;

Commit complete.
```

Q20: Show all the attribute values of the department table.

```
SQL> select * from department
  2  ;

D_NAME
--------------------------------------------------
D_LOC                                              HOD_ID
-------------------------------------------------- ----------
sales
KOL                                                     4

ACCOUNTS
DELHI                                                   6

PRODUCTION
KOL                                                     1


D_NAME
--------------------------------------------------
D_LOC                                              HOD_ID
-------------------------------------------------- ----------
MARKETING
KOL                                                     2

R;
DELHI                                                   8
```

Q21: Display the department names and their locations.

```
SQL> SELECT D_NAME, D_LOC FROM DEPARTMENT;

D_NAME
--------------------------------------------------
D_LOC
--------------------------------------------------
sales
KOL

ACCOUNTS
DELHI

PRODUCTION
KOL


D_NAME
--------------------------------------------------
D_LOC
--------------------------------------------------
MARKETING
KOL

R;
DELHI
```

Q22: Show the employee's first name, last name, current salary and the salary with a 1000 rupees bonus.

```
SQL> SELECT F_NAME, L_NAME, SALARY+'1000' FROM EMPLOYEE;

F_NAME
--------------------------------------------------
L_NAME                                             SALARY+'1000'
-------------------------------------------------- -------------
ARUN
KHAN                                                       91000

BARUN
KUMAR                                                      81000

CHITRA
KAPOOR                                                     61000


F_NAME
--------------------------------------------------
L_NAME                                             SALARY+'1000'
-------------------------------------------------- -------------
DHEERAJ
MISHRA                                                     76000

EMMA
DUTT                                                       56000

FLOKI
DUTT                                                       71000
```

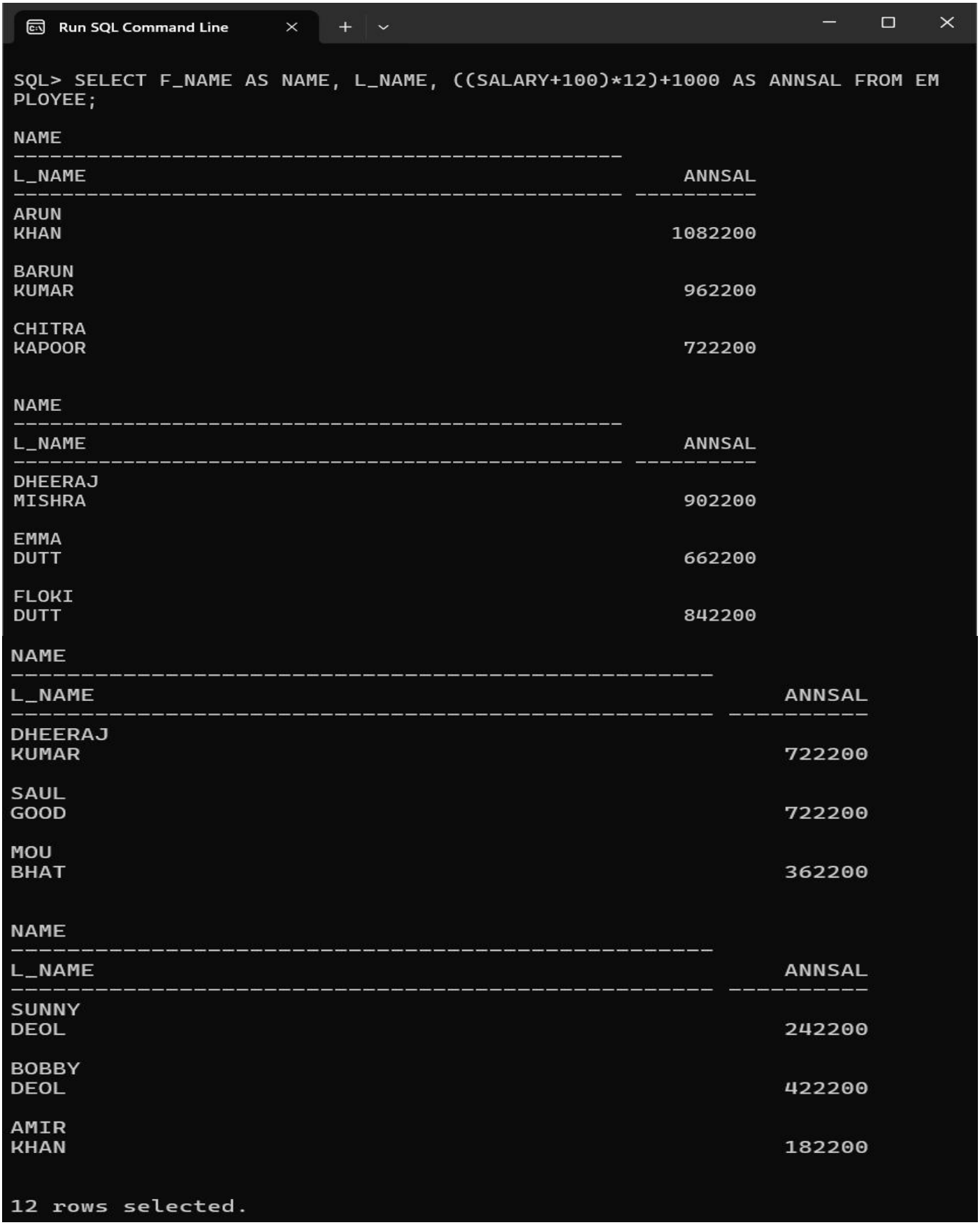
```
F_NAME
--------------------------------------------------
L_NAME                                             SALARY+'1000'
-------------------------------------------------- -------------
DHEERAJ
KUMAR                                                      61000

SAUL
GOOD                                                       61000

MOU
BHAT                                                       31000


F_NAME
--------------------------------------------------
L_NAME                                             SALARY+'1000'
-------------------------------------------------- -------------
SUNNY
DEOL                                                       21000

BOBBY
DEOL                                                       36000

AMIR
KHAN                                                       16000


12 rows selected.
```

Q23: Show the employee's annual salary with a 1000 rupees yearly bonus and the annual salary witha100 rupees monthly
bonus.

```
Run SQL Command Line

SQL> SELECT F_NAME, L_NAME, ((SALARY+100)*12)+1000 FROM EMPLOYEE;

F_NAME
--------------------------------------------------
L_NAME                                             ((SALARY+100)*12)+1000
-------------------------------------------------- ----------------------
ARUN
KHAN                                                              1082200

BARUN
KUMAR                                                              962200

CHITRA
KAPOOR                                                             722200


F_NAME
--------------------------------------------------
L_NAME                                             ((SALARY+100)*12)+1000
-------------------------------------------------- ----------------------
DHEERAJ
MISHRA                                                             902200

EMMA
DUTT                                                               662200

FLOKI
DUTT                                                               842200
```

```
F_NAME
--------------------------------------------------
L_NAME                                             ((SALARY+100)*12)+1000
-------------------------------------------------- ----------------------
DHEERAJ
KUMAR                                                              722200

SAUL
GOOD                                                               722200

MOU
BHAT                                                               362200


F_NAME
--------------------------------------------------
L_NAME                                             ((SALARY+100)*12)+1000
-------------------------------------------------- ----------------------
SUNNY
DEOL                                                               242200

BOBBY
DEOL                                                               422200

AMIR
KHAN                                                               182200


12 rows selected.
```

Q24: Show f_name as Name and annual salary as ANNSAL from the employee table.



```
Run SQL Command Line

SQL> SELECT F_NAME AS NAME, L_NAME, ((SALARY+100)*12)+1000 AS ANNSAL FROM EM
PLOYEE;

NAME
--------------------------------------------------
L_NAME                                               ANNSAL
-------------------------------------------------- ----------
ARUN
KHAN                                                1082200

BARUN
KUMAR                                                962200

CHITRA
KAPOOR                                               722200


NAME
--------------------------------------------------
L_NAME                                               ANNSAL
-------------------------------------------------- ----------
DHEERAJ
MISHRA                                               902200

EMMA
DUTT                                                 662200

FLOKI
DUTT                                                 842200

NAME
--------------------------------------------------
L_NAME                                               ANNSAL
-------------------------------------------------- ----------
DHEERAJ
KUMAR                                                722200

SAUL
GOOD                                                 722200

MOU
BHAT                                                 362200


NAME
--------------------------------------------------
L_NAME                                               ANNSAL
-------------------------------------------------- ----------
SUNNY
DEOL                                                 242200

BOBBY
DEOL                                                 422200

AMIR
KHAN                                                 182200


12 rows selected.
```

Q25: Show the L_name as SurName and 100 rupees incremented salary as NewSal fromthe employeetable.

```
SQL> SELECT F_NAME AS NAME, L_NAME AS SurName, SALARY+100 AS NEWSAL FROM EMP
LOYEE;

NAME
--------------------------------------------------
SURNAME                                             NEWSAL
-------------------------------------------------- ----------
ARUN
KHAN                                                 90100

BARUN
KUMAR                                                80100

CHITRA
KAPOOR                                               60100


NAME
--------------------------------------------------
SURNAME                                             NEWSAL
-------------------------------------------------- ----------
DHEERAJ
MISHRA                                               75100

EMMA
DUTT                                                 55100

FLOKI
DUTT                                                 70100
```

```
NAME
--------------------------------------------------
SURNAME                                             NEWSAL
-------------------------------------------------- ----------
DHEERAJ
KUMAR                                                60100

SAUL
GOOD                                                 60100

MOU
BHAT                                                 30100


NAME
--------------------------------------------------
SURNAME                                             NEWSAL
-------------------------------------------------- ----------
SUNNY
DEOL                                                 20100

BOBBY
DEOL                                                 35100

AMIR
KHAN                                                 15100


12 rows selected.
```

Q26: Display the employees f_name and l_name joined together using the concatenation operator.

```
SQL> SELECT(F_NAME || ' ' || L_NAME) AS NAME
  2  FROM EMPLOYEE;

NAME
--------------------------------------------------
----
ARUN KHAN
BARUN KUMAR
CHITRA KAPOOR
DHEERAJ MISHRA
EMMA DUTT
FLOKI DUTT
DHEERAJ KUMAR
SAUL GOOD
MOU BHAT
SUNNY DEOL
BOBBY DEOL

NAME
--------------------------------------------------
----
AMIR KHAN

12 rows selected.
```

Q27: Show the f_name, l_name and job_type as Employees.

```
Run SQL Command Line

SQL> SELECT F_NAME, L_NAME, JOB_TYPE AS EMPLOYEES FROM EMPLOYEE;

F_NAME
--------------------------------------------------
L_NAME
--------------------------------------------------
EMPLOYEES
--------------------------------------------------
ARUN
KHAN
MANAGER

BARUN
KUMAR
MANAGER

F_NAME
--------------------------------------------------
L_NAME
--------------------------------------------------
EMPLOYEES
--------------------------------------------------

CHITRA
KAPOOR
ENGINEER

DHEERAJ
MISHRA
```

```
F_NAME
--------------------------------------------------
L_NAME
--------------------------------------------------
EMPLOYEES
--------------------------------------------------
MANAGER

EMMA
DUTT
ENGINEER

FLOKI

F_NAME
--------------------------------------------------
L_NAME
--------------------------------------------------
EMPLOYEES
--------------------------------------------------
DUTT
ACCOUNTANT

DHEERAJ
KUMAR
CLERK
```

```
F_NAME
--------------------------------------------------
L_NAME
--------------------------------------------------
EMPLOYEES
--------------------------------------------------
SAUL
GOOD
ENGINEER

MOU
BHAT
CLERK

F_NAME
--------------------------------------------------
L_NAME
--------------------------------------------------
EMPLOYEES
--------------------------------------------------

SUNNY
DEOL
SALESMAN

BOBBY
DEOL

F_NAME
--------------------------------------------------
L_NAME
--------------------------------------------------
EMPLOYEES
--------------------------------------------------
ENGINEER

AMIR
KHAN
SALESMAN


12 rows selected.
```

Q28: Show the employee details in the following fassion:

Employees Details

----

arun khan is a manager

barun kumar is a manager

……..

```
SQL> SELECT (F_NAME || ' ' || L_NAME || ' is a ' || JOB_TYPE) AS EMPLOYEES_D
ETAILS
  2  FROM EMPLOYEE;

EMPLOYEES_DETAILS
--------------------------------------------------------------------------------
----
ARUN KHAN is a MANAGER
BARUN KUMAR is a MANAGER
CHITRA KAPOOR is a ENGINEER
DHEERAJ MISHRA is a MANAGER
EMMA DUTT is a ENGINEER
FLOKI DUTT is a ACCOUNTANT
DHEERAJ KUMAR is a CLERK
SAUL GOOD is a ENGINEER
MOU BHAT is a CLERK
SUNNY DEOL is a SALESMAN
BOBBY DEOL is a ENGINEER

EMPLOYEES_DETAILS
--------------------------------------------------------------------------------
----
AMIR KHAN is a SALESMAN

12 rows selected.
```

Q29: Show the monthly salary details in the following fassion:

Monthly Salary Details

----

arun's monthly salary is 90000

……..

```
EMPLOYEES_DETAILS
--------------------------------------------------------------------------------
----
ARUN MONTHLY SALARY IS 90000
BARUN MONTHLY SALARY IS 80000
CHITRA MONTHLY SALARY IS 60000
DHEERAJ MONTHLY SALARY IS 75000
EMMA MONTHLY SALARY IS 55000
FLOKI MONTHLY SALARY IS 70000
DHEERAJ MONTHLY SALARY IS 60000
SAUL MONTHLY SALARY IS 60000
MOU MONTHLY SALARY IS 30000
SUNNY MONTHLY SALARY IS 20000
BOBBY MONTHLY SALARY IS 35000

EMPLOYEES_DETAILS
--------------------------------------------------------------------------------
----
AMIR MONTHLY SALARY IS 15000

12 rows selected.
```

Q30: Show the department names from the employee table.

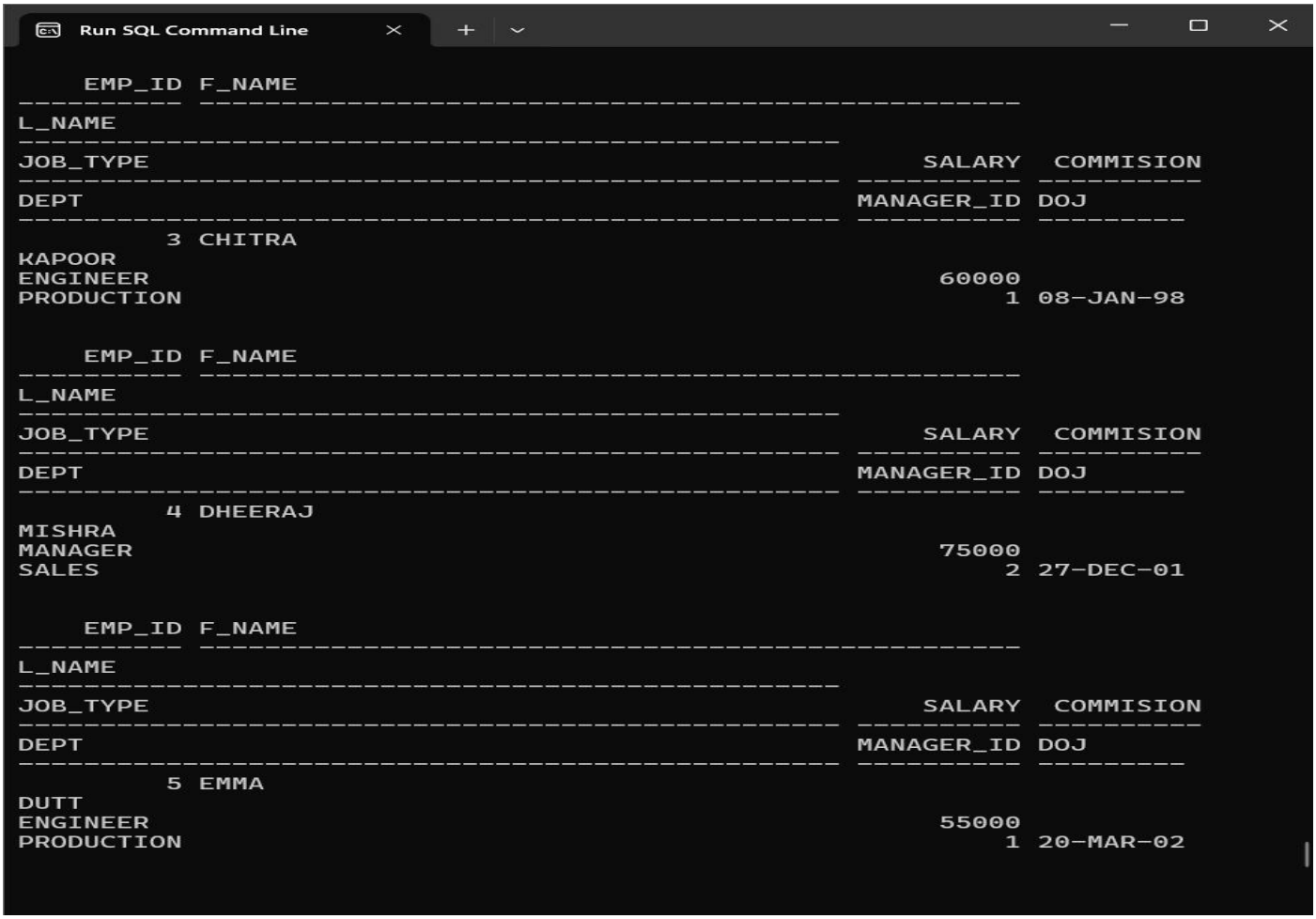
```
SQL> SELECT DEPT FROM EMPLOYEE;

DEPT
--------------------------------------------------
PRODUCTION
MARKETING
PRODUCTION
SALES
PRODUCTION
ACCOUNTS
ACCOUNTS
R&D
SALES
MARKETING
R and D

DEPT
--------------------------------------------------
MARKETING

12 rows selected.
```

Q31: Show the distinct department names from the employee table.

```
SQL> SELECT DISTINCT DEPT FROM EMPLOYEE;

DEPT
--------------------------------------------------
R and D
ACCOUNTS
PRODUCTION
MARKETING
SALES
R&D

6 rows selected.
```

Q32: Show the employees earning more than 50000.

```
Run SQL Command Line

SQL> SELECT * FROM EMPLOYEE WHERE SALARY > 50000;

    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                             SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
         1 ARUN
KHAN
MANAGER                                                 90000
PRODUCTION                                                    04-JAN-98


    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                             SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
         2 BARUN
KUMAR
MANAGER                                                 80000
MARKETING                                                     09-FEB-98
```

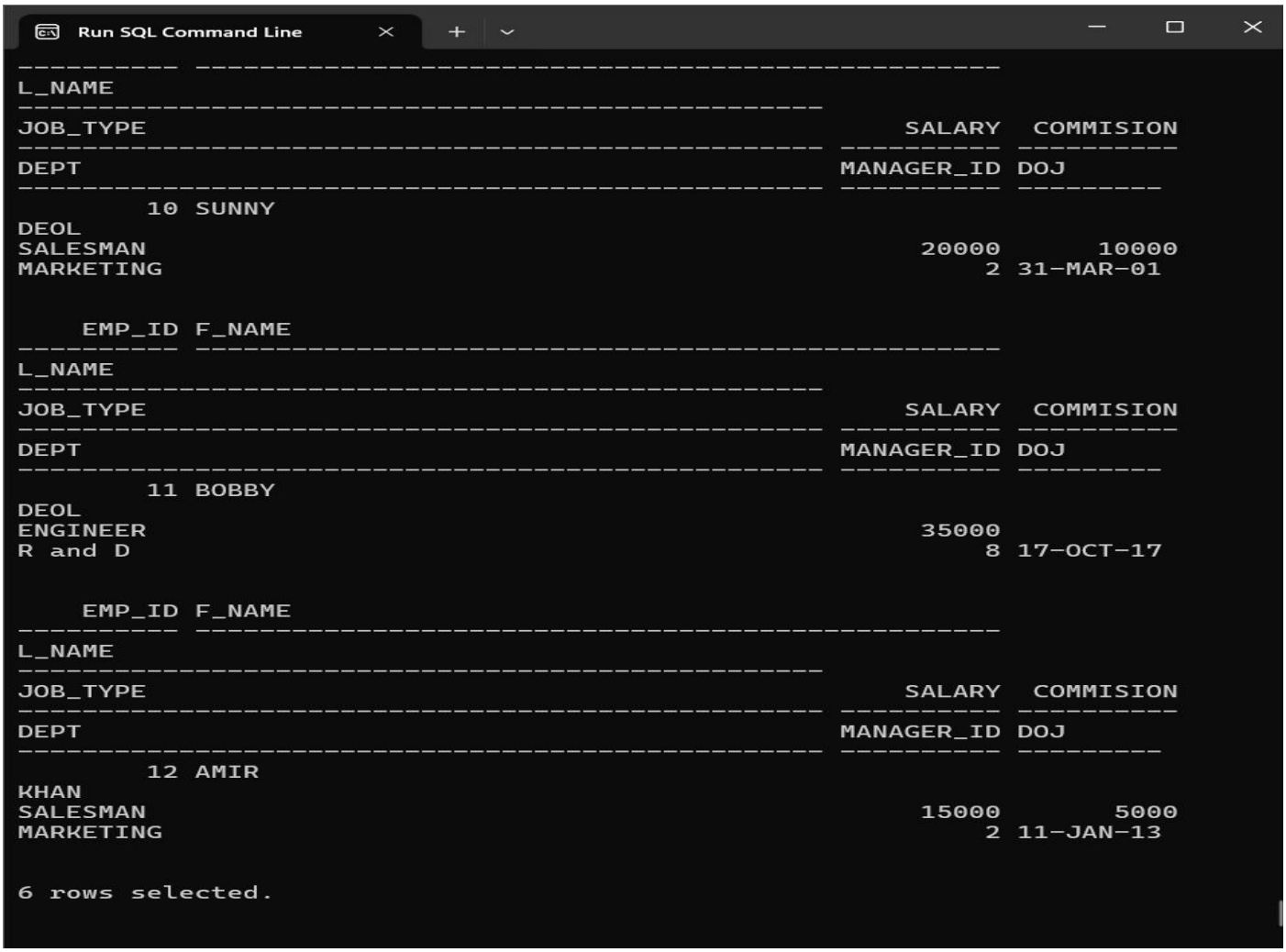



```
    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                             SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
         3 CHITRA
KAPOOR
ENGINEER                                                60000
PRODUCTION                                                  1 08-JAN-98


    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                             SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
         4 DHEERAJ
MISHRA
MANAGER                                                 75000
SALES                                                       2 27-DEC-01


    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                             SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
         5 EMMA
DUTT
ENGINEER                                                55000
PRODUCTION                                                  1 20-MAR-02
```


```
    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                             SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
         6 FLOKI
DUTT
ACCOUNTANT                                              70000
ACCOUNTS                                                    20-MAR-00


    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                             SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
         7 DHEERAJ
KUMAR
CLERK                                                   60000
ACCOUNTS                                                    6 01-JUL-16


    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                             SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
         8 SAUL
GOOD
ENGINEER                                                60000
R&D                                                         06-SEP-14

8 rows selected.
```

Q33. Show the employee's id's who are not working under manager id-1.

```
Run SQL Command Line

SQL> SELECT * FROM EMPLOYEE WHERE MANAGER_ID !=1;

    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                             SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
         4 DHEERAJ
MISHRA
MANAGER                                                 75000
SALES                                                       2 27-DEC-01


    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                             SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
         7 DHEERAJ
KUMAR
CLERK                                                   60000
ACCOUNTS                                                    6 01-JUL-16


    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                             SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
         9 MOU
BHAT
CLERK                                                   30000
SALES                                                       4 08-MAR-18
```



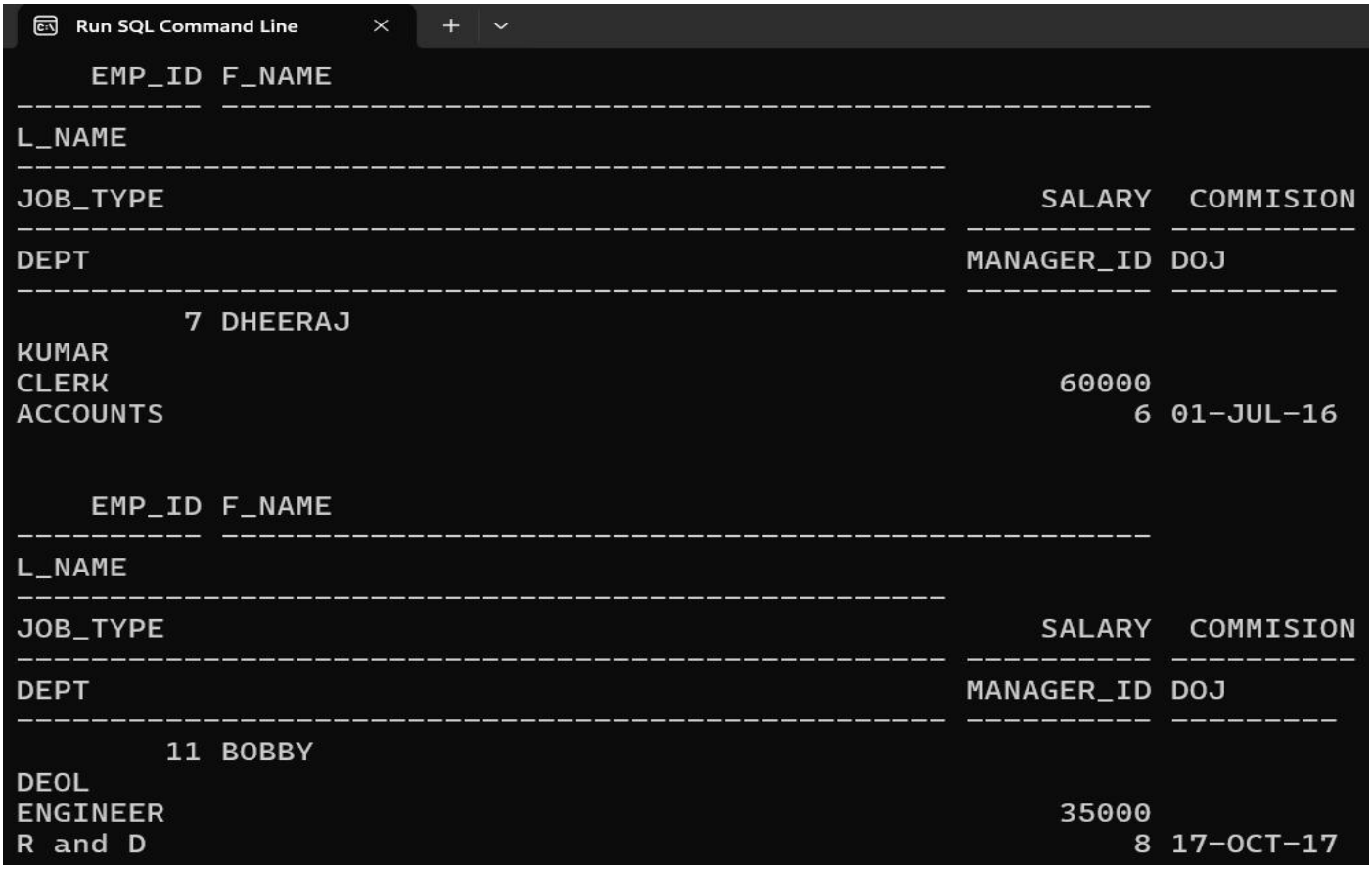
```
Run SQL Command Line

---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                             SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
        10 SUNNY
DEOL
SALESMAN                                                20000      10000
MARKETING                                                   2 31-MAR-01


    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                             SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
        11 BOBBY
DEOL
ENGINEER                                                35000
R and D                                                     8 17-OCT-17


    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                             SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
        12 AMIR
KHAN
SALESMAN                                                15000       5000
MARKETING                                                   2 11-JAN-13


6 rows selected.
```

Q34: Show the employee's names and salaries whose salary ranges between 40000 to 70000.

```
SQL> SELECT F_NAME, L_NAME, SALARY FROM EMPLOYEE WHERE SALARY BETWEEN 40000
and 70000;

F_NAME
--------------------------------------------------
L_NAME                                              SALARY
-------------------------------------------------- ----------
CHITRA
KAPOOR                                               60000

EMMA
DUTT                                                 55000

FLOKI
DUTT                                                 70000


F_NAME
--------------------------------------------------
L_NAME                                              SALARY
-------------------------------------------------- ----------
DHEERAJ
KUMAR                                                60000

SAUL
GOOD                                                 60000
```

Q35: Show the employees who work for manager id 1 or 6 or 8.

```
Run SQL Command Line

SQL> SELECT * FROM EMPLOYEE WHERE MANAGER_ID IN (1,6,8);

    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                            SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
         3 CHITRA
KAPOOR
ENGINEER                                                60000
PRODUCTION                                                  1 08-JAN-98


    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                            SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
         5 EMMA
DUTT
ENGINEER                                                55000
PRODUCTION                                                  1 20-MAR-02
```



Q36: Select the first names and salaries of those employee whose last name is khan.

```
SQL> SELECT F_NAME, SALARY FROM EMPLOYEE WHERE L_NAME = 'KHAN';

F_NAME                                             SALARY
-------------------------------------------------- ----------
ARUN                                                90000
AMIR                                                15000
```

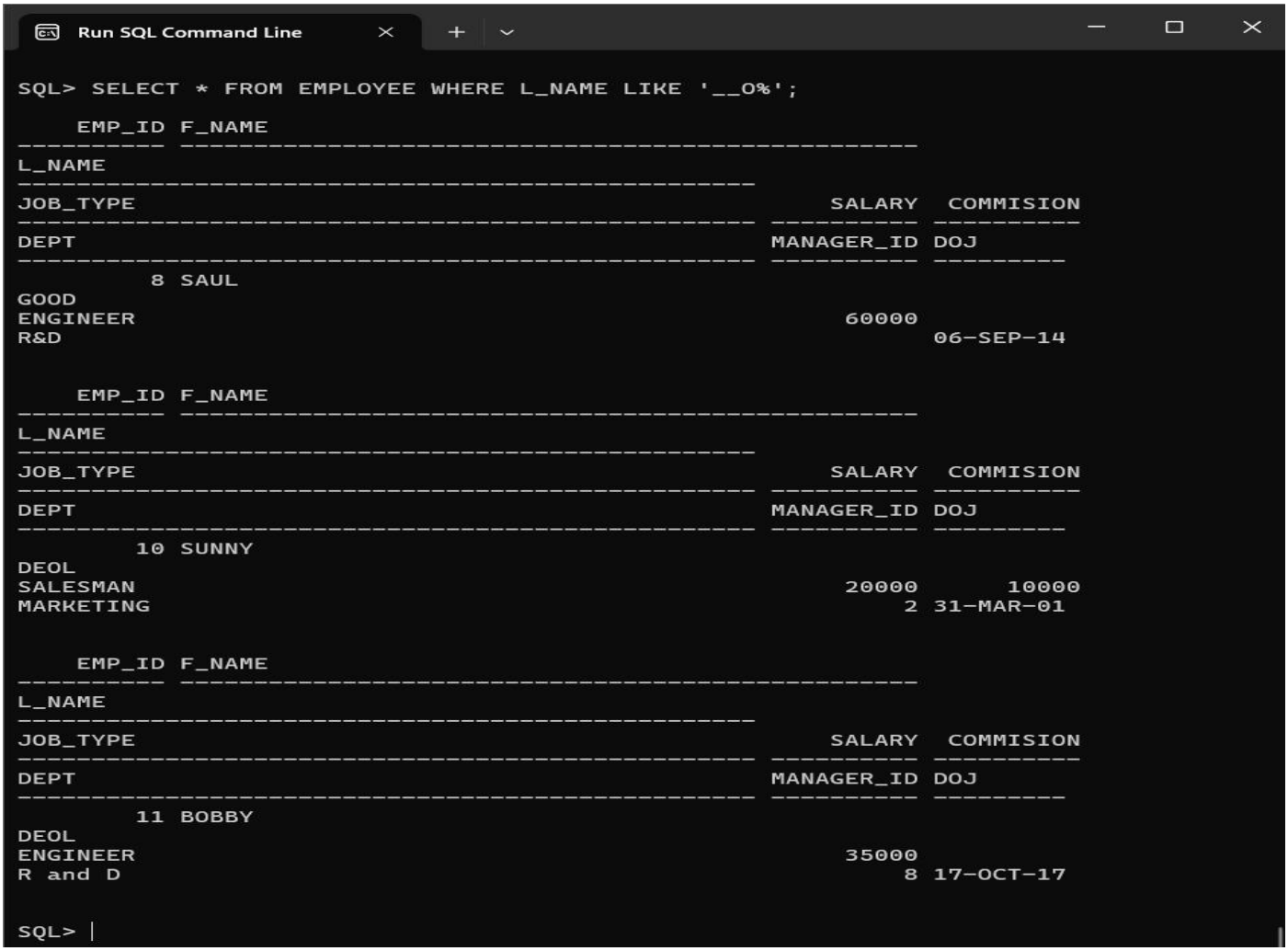
Q37: Select the first names and salaries of those employee whose last name starts with k.

```
SQL> SELECT F_NAME, SALARY FROM EMPLOYEE WHERE L_NAME LIKE 'K%';

F_NAME                                             SALARY
-------------------------------------------------- ----------
ARUN                                                90000
BARUN                                               80000
CHITRA                                              60000
DHEERAJ                                             60000
AMIR                                                15000
```

Q38: Select the first name, last name and salary of those employee whose last name starts with k andends with r.

```
SQL> SELECT F_NAME, SALARY FROM EMPLOYEE WHERE L_NAME LIKE 'K%R';

F_NAME                                             SALARY
-------------------------------------------------- ----------
BARUN                                               80000
CHITRA                                              60000
DHEERAJ                                             60000
```

Q39: Select the employees whose 3rd letter of their last name is o.



```
Run SQL Command Line

SQL> SELECT * FROM EMPLOYEE WHERE L_NAME LIKE '__O%';

    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                            SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
         8 SAUL
GOOD
ENGINEER                                                60000
R&D                                                           06-SEP-14


    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                            SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
        10 SUNNY
DEOL
SALESMAN                                                20000      10000
MARKETING                                                   2 31-MAR-01


    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                            SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
        11 BOBBY
DEOL
ENGINEER                                                35000
R and D                                                     8 17-OCT-17

SQL>
```

Q40: Select the employees who are not working under any manager.

```
Run SQL Command Line

SQL> SELECT * FROM EMPLOYEE WHERE MANAGER_ID IS NULL;

    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                            SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
         1 ARUN
KHAN
MANAGER                                                 90000
PRODUCTION                                                    04-JAN-98


    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                            SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
         2 BARUN
KUMAR
MANAGER                                                 80000
MARKETING                                                     09-FEB-98
```

```
    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                            SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
         6 FLOKI
DUTT
ACCOUNTANT                                              70000
ACCOUNTS                                                      20-MAR-00


    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                            SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
         8 SAUL
GOOD
ENGINEER                                                60000
R&D                                                           06-SEP-14
```

Q41: Select the employees who work as engineers with salary greater than 50000.

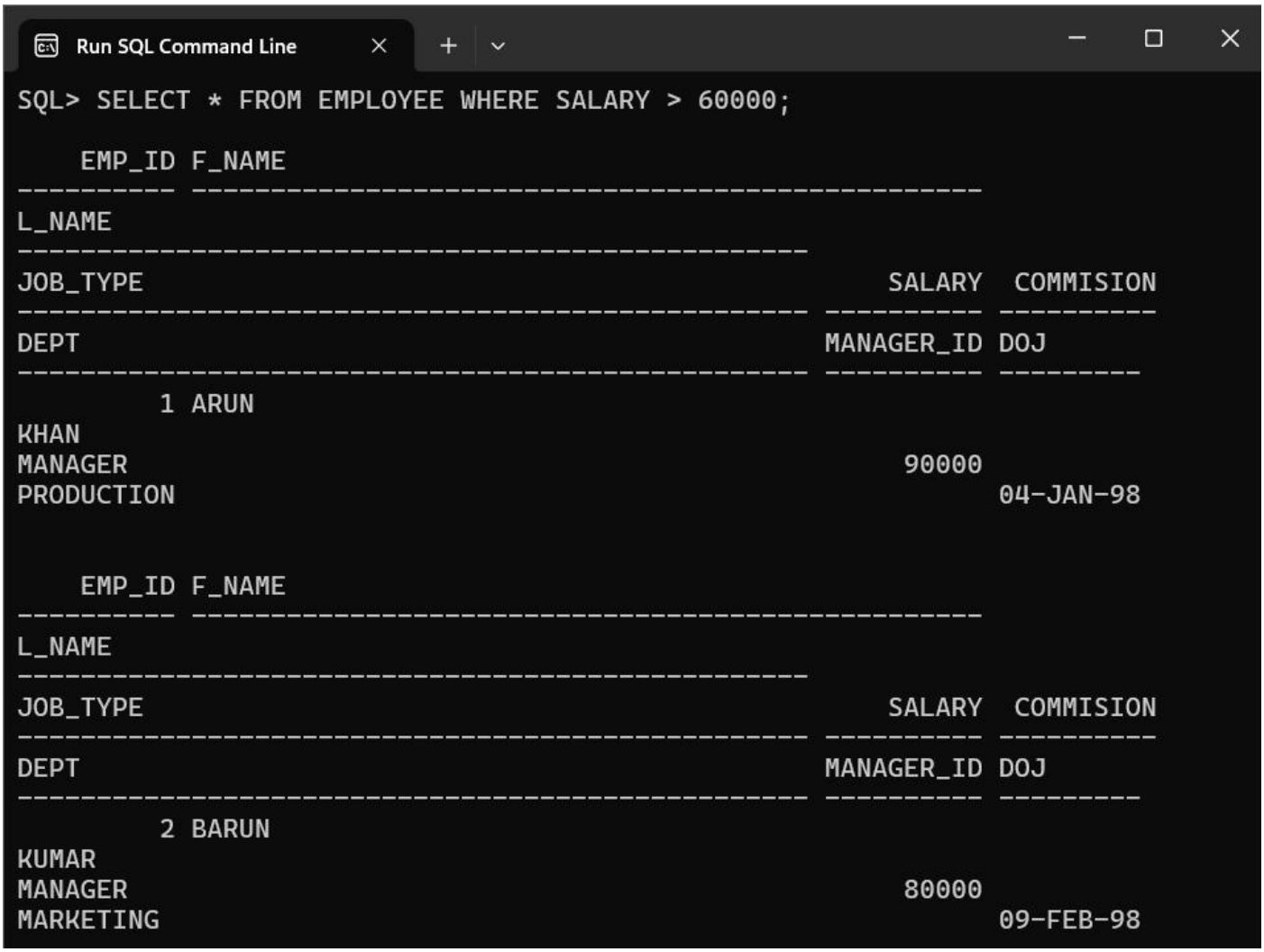
```
Run SQL Command Line
SQL> SELECT * FROM EMPLOYEE WHERE SALARY > 50000;

    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                            SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
         1 ARUN
KHAN
MANAGER                                                 90000
PRODUCTION                                                    04-JAN-98


    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                            SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
         2 BARUN
KUMAR
MANAGER                                                 80000
MARKETING                                                     09-FEB-98
```

```
    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                            SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
         3 CHITRA
KAPOOR
ENGINEER                                                60000
PRODUCTION                                                  1 08-JAN-98


    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                            SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
         4 DHEERAJ
MISHRA
MANAGER                                                 75000
SALES                                                       2 27-DEC-01
```

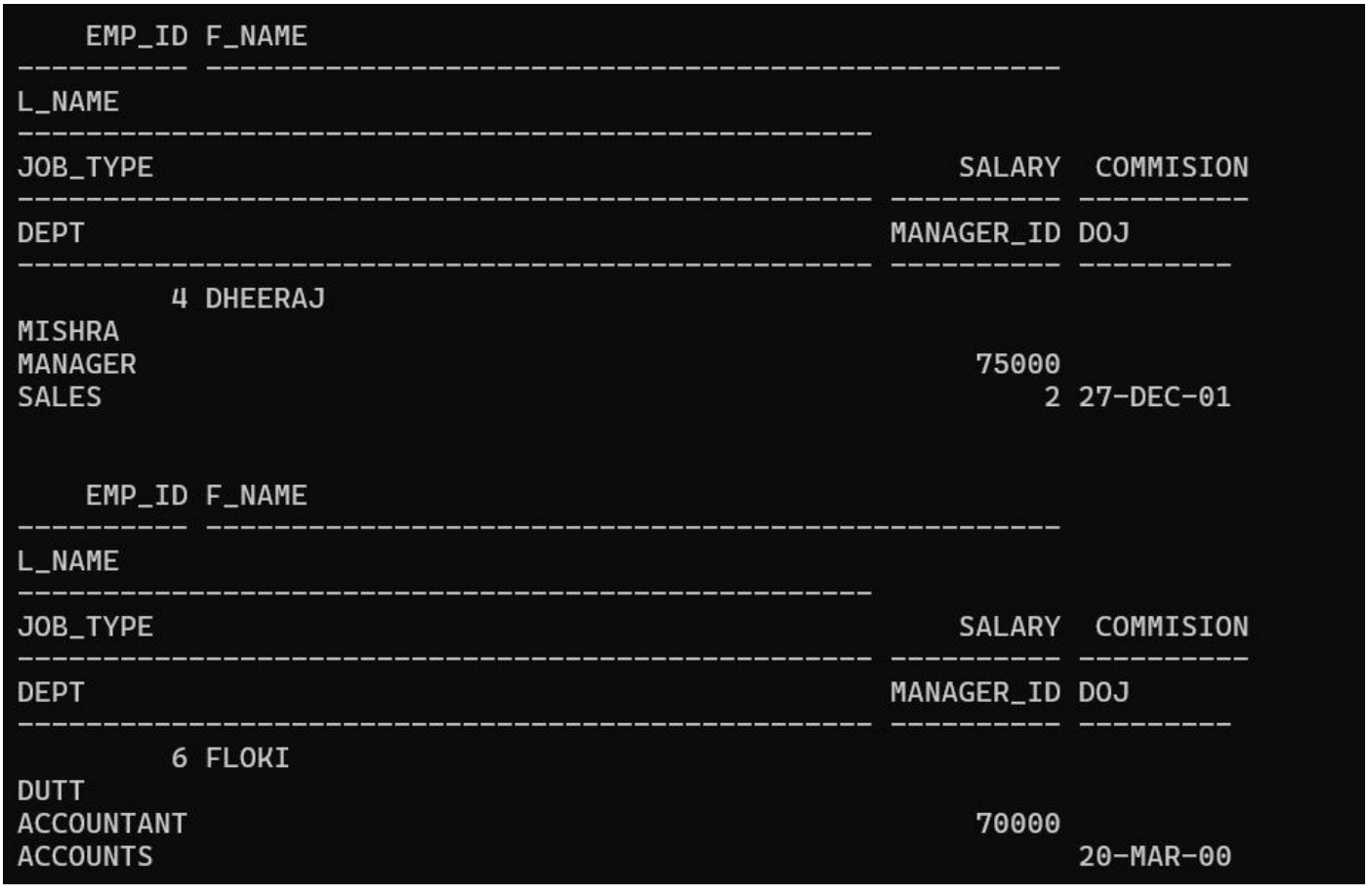
```
    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                            SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
         5 EMMA
DUTT
ENGINEER                                                55000
PRODUCTION                                                  1 20-MAR-02


    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                            SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
         6 FLOKI
DUTT
ACCOUNTANT                                              70000
ACCOUNTS                                                      20-MAR-00
```

```
    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                            SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
         7 DHEERAJ
KUMAR
CLERK                                                   60000
ACCOUNTS                                                    6 01-JUL-16


    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                            SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
         8 SAUL
GOOD
ENGINEER                                                60000
R&D                                                           06-SEP-14


8 rows selected.
```

Q42: Select the employees who work in the production department or earns more than 60000.



```
Run SQL Command Line

SQL> SELECT * FROM EMPLOYEE WHERE SALARY > 60000;

    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                            SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
         1 ARUN
KHAN
MANAGER                                                 90000
PRODUCTION                                                  04-JAN-98


    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                            SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
         2 BARUN
KUMAR
MANAGER                                                 80000
MARKETING                                                   09-FEB-98
```



```
    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                            SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
         4 DHEERAJ
MISHRA
MANAGER                                                 75000
SALES                                                       2 27-DEC-01


    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                            SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
         6 FLOKI
DUTT
ACCOUNTANT                                              70000
ACCOUNTS                                                    20-MAR-00
```

Q43: Select those employees who are not managers or engineers or clerks.

```
SQL> SELECT * FROM EMPLOYEE WHERE JOB_TYPE NOT IN ('MANAGER', 'ENGINEER', 'C
LERK');

    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                             SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
         6 FLOKI
DUTT
ACCOUNTANT                                              70000
ACCOUNTS                                                    20-MAR-00


    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                             SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
        10 SUNNY
DEOL
SALESMAN                                                20000      10000
MARKETING                                                   2 31-MAR-01


    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                             SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
        12 AMIR
KHAN
SALESMAN                                                15000       5000
MARKETING                                                   2 11-JAN-13
```

Q44: Select the employees who earns more than 49000 or less than 29000.

```
SQL> SELECT * FROM EMPLOYEE WHERE SALARY > 49000 OR SALARY < 29000;

    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                             SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
         1 ARUN
KHAN
MANAGER                                                 90000
PRODUCTION                                                  04-JAN-98


    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                             SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
         2 BARUN
KUMAR
MANAGER                                                 80000
MARKETING                                                   09-FEB-98
```

```
    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                             SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
         3 CHITRA
KAPOOR
ENGINEER                                                60000
PRODUCTION                                                  1 08-JAN-98


    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                             SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
         4 DHEERAJ
MISHRA
MANAGER                                                 75000
SALES                                                       2 27-DEC-01


    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                             SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
         5 EMMA
DUTT
ENGINEER                                                55000
PRODUCTION                                                  1 20-MAR-02
```

```
    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                             SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
         6 FLOKI
DUTT
ACCOUNTANT                                              70000
ACCOUNTS                                                    20-MAR-00


    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                             SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
         7 DHEERAJ
KUMAR
CLERK                                                   60000
ACCOUNTS                                                    6 01-JUL-16


    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                             SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
         8 SAUL
GOOD
ENGINEER                                                60000
R&D                                                         06-SEP-14
```

```
    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                             SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
        10 SUNNY
DEOL
SALESMAN                                                20000      10000
MARKETING                                                   2 31-MAR-01


    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                             SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
        12 AMIR
KHAN
SALESMAN                                                15000       5000
MARKETING                                                   2 11-JAN-13


10 rows selected.
```

Q45. Select the employees who don't have an 'o' as the 2nd last letter of their last name.

```
SQL> SELECT * FROM EMPLOYEE WHERE L_NAME NOT LIKE '%O_';

    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                             SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
         1 ARUN
KHAN
MANAGER                                                 90000
PRODUCTION                                                  04-JAN-98


    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                             SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
         2 BARUN
KUMAR
MANAGER                                                 80000
MARKETING                                                   09-FEB-98


    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                             SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
         4 DHEERAJ
MISHRA
MANAGER                                                 75000
SALES                                                       2 27-DEC-01
```

```
    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                             SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
         5 EMMA
DUTT
ENGINEER                                                55000
PRODUCTION                                                  1 20-MAR-02


    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                             SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
         6 FLOKI
DUTT
ACCOUNTANT                                              70000
ACCOUNTS                                                      20-MAR-00
```

```
    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                             SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
         7 DHEERAJ
KUMAR
CLERK                                                   60000
ACCOUNTS                                                    6 01-JUL-16


    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                             SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
         9 MOU
BHAT
CLERK                                                   30000
SALES                                                       4 08-MAR-18


    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                             SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
        12 AMIR
KHAN
SALESMAN                                                15000       5000
MARKETING                                                   2 11-JAN-13


8 rows selected.
```

Q46. Select the employees who get commission.

```
SQL> SELECT * FROM EMPLOYEE WHERE COMMISION IS NOT NULL;

    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                             SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
        10 SUNNY
DEOL
SALESMAN                                                20000      10000
MARKETING                                                   2 31-MAR-01


    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                             SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
        12 AMIR
KHAN
SALESMAN                                                15000       5000
MARKETING                                                   2 11-JAN-13
```

Q47. WAQ to display the current date.

Q48. Show the total experience in weeks for all the employees.

Q49. Find the employees working under employee_id 2.

```
SQL> SELECT * FROM EMPLOYEE WHERE MANAGER_ID=2;

    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                             SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
         4 DHEERAJ
MISHRA
MANAGER                                                 75000
SALES                                                       2 27-DEC-01


    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                             SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
        10 SUNNY
DEOL
SALESMAN                                                20000      10000
MARKETING                                                   2 31-MAR-01


    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                             SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
        12 AMIR
KHAN
SALESMAN                                                15000       5000
MARKETING                                                   2 11-JAN-13
```

Q50. Delete the employees from sales department if they are not working as managers.

```
SQL> DELETE FROM EMPLOYEE WHERE DEPT = 'SALES' AND JOB_TYPE != 'MANAGER';

1 row deleted.
```

Q51. Insert the following two rows in the employee table without inserting any value in the department field.
EMP_ID F_NAME L_NAME JOB_TYPE SALARY COMMISION D_NAME MANAGER_IDDOJ 13 anand patil engineer 28000 2000 1 31-JAN-1714 anandi patel clerk 12000 500 1 01-APR-17

Q52. . Insert the following two rows in the department table.

D_NAME D_LOC HOD_ID

---------- ---------- ----------

Admin Mumbai 5

Transport Mumbai 3

```
SQL> INSERT INTO department (d_name, d_loc, hod_id)
  2  VALUES('Admin', 'Mumbai', 5);

1 row created.

SQL> INSERT INTO department (d_name, d_loc, hod_id)
  2  VALUES('Transport', 'Mumbai', 3);

1 row created.
```

Q53. Update the employee table. Assign Anand to the admin department.

Q54. Update the manager_id from 2 to 1 in the employee table.

```
SQL> UPDATE employee SET manager_id = 1 WHERE manager_id = 2;

3 rows updated.
```

Q55. Display the employee details in descending order on their salary.

```
SQL> SELECT * FROM employee ORDER BY salary DESC;

    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                             SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
         1 ARUN
KHAN
MANAGER                                                 90000
PRODUCTION                                                  04-JAN-98


    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                             SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
         2 BARUN
KUMAR
MANAGER                                                 80000
MARKETING                                                   09-FEB-98


    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                             SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
         4 DHEERAJ
MISHRA
MANAGER                                                 75000
SALES                                                       1 27-DEC-01
    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                             SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
         6 FLOKI
DUTT
ACCOUNTANT                                              70000
ACCOUNTS                                                    20-MAR-00


    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                             SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
         7 DHEERAJ
KUMAR
CLERK                                                   60000
ACCOUNTS                                                    6 01-JUL-16


    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                             SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
         8 SAUL
GOOD
ENGINEER                                                60000
R&D                                                         06-SEP-14
```

```
    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                             SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
         3 CHITRA
KAPOOR
ENGINEER                                                60000
PRODUCTION                                                  1 08-JAN-98


    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                             SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
         5 EMMA
DUTT
ENGINEER                                                55000
PRODUCTION                                                  1 20-MAR-02
    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                             SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
        11 BOBBY
DEOL
ENGINEER                                                35000
R and D                                                     8 17-OCT-17


    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                             SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
        10 SUNNY
DEOL
SALESMAN                                                20000      10000
MARKETING                                                   1 31-MAR-01


    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                             SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
        12 AMIR
KHAN
SALESMAN                                                15000       5000
MARKETING                                                   1 11-JAN-13


11 rows selected.
```

Q56. Display the employee details in ascending order on their l_name.

```
SQL> SELECT * FROM employee ORDER BY l_name ASC;

    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                             SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
        11 BOBBY
DEOL
ENGINEER                                                35000
R and D                                                     8 17-OCT-17


    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                             SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
        10 SUNNY
DEOL
SALESMAN                                                20000      10000
MARKETING                                                   1 31-MAR-01


    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                             SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
         6 FLOKI
DUTT
ACCOUNTANT                                              70000
ACCOUNTS                                                    20-MAR-00
```

```
    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                             SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
         5 EMMA
DUTT
ENGINEER                                                55000
PRODUCTION                                                  1 20-MAR-02


    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                             SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
         8 SAUL
GOOD
ENGINEER                                                60000
R&D                                                         06-SEP-14


    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                             SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
         3 CHITRA
KAPOOR
ENGINEER                                                60000
PRODUCTION                                                  1 08-JAN-98
```

```
    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                             SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
         1 ARUN
KHAN
MANAGER                                                 90000
PRODUCTION                                                  04-JAN-98


    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                             SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
        12 AMIR
KHAN
SALESMAN                                                15000       5000
MARKETING                                                   1 11-JAN-13


    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                             SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
         7 DHEERAJ
KUMAR
CLERK                                                   60000
ACCOUNTS                                                    6 01-JUL-16
```

```
    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                             SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
         2 BARUN
KUMAR
MANAGER                                                 80000
MARKETING                                                   09-FEB-98


    EMP_ID F_NAME
---------- --------------------------------------------------
L_NAME
--------------------------------------------------
JOB_TYPE                                             SALARY  COMMISION
-------------------------------------------------- ---------- ----------
DEPT                                               MANAGER_ID DOJ
-------------------------------------------------- ---------- ---------
         4 DHEERAJ
MISHRA
MANAGER                                                 75000
SALES                                                       1 27-DEC-01


11 rows selected.
```

Q57. Delete the employees who are working as salesmen and having less experience than 15 years.

Q58. Commit the database.

```
SQL> COMMIT
  2  ;

Commit complete.
```