Practical 6

Compound conditions

SQL> create table emp004

2 (

3 emp\_no number(10),

4 name varchar2(30),

5 city varchar2(30),

6 state varchar2(30),

7 salary number(10,2));

Table created.

SQL> insert into emp004(emp\_no,name,city,state,salary)

2 values(001,'mike','mumbai','maharashtra',30000);

1 row created.

SQL> insert into emp004(emp\_no,name,city,state,salary)

2 values(002,'jackson','calcutta','west bengal',25000);

SQL> insert into emp004(emp\_no,name,city,state,salary)

2 values(003,'mark','banglore','karnataka',25000);

1 row created.

SQL> insert into emp004(emp\_no,name,city,state,salary)

2 values(004,'clarie','mumbai','maharashtra',40000);

1 row created.

SQL> insert into emp004(emp\_no,name,city,state,salary)

2 values(005,'joyce','mumbai','maharashtra',40000);

1 row created.

SQL> insert into emp004(emp\_no,name,city,state,salary)

2 values(006,'susan','banglore','karnataka',45000);

1 row created.

SQL> insert into emp004(emp\_no,name,city,state,salary)

2 values(007,'mary','calcutta','west bengal',30000);

1 row created.

SQL> insert into emp004(emp\_no,name,city,state,salary)

2 values(008,'peter','banglore','karnataka',35000);

1 row created.

SQL> select \* from emp004;

EMP\_NO NAME CITY

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

STATE SALARY

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

1 mike mumbai

maharashtra 30000

2 jackson calcutta

west bengal 25000

3 mark banglore

karnataka 25000

EMP\_NO NAME CITY

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

STATE SALARY

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

4 clarie mumbai

maharashtra 40000

5 joyce mumbai

maharashtra 40000

6 susan banglore

karnataka 45000

EMP\_NO NAME CITY

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

STATE SALARY

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

7 mary calcutta

west bengal 30000

8 peter banglore

karnataka 35000

8 rows selected.

Q1 SQL> select name,city from emp004

2 where city='mumbai' and salary>30000;

NAME CITY

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

clarie mumbai

joyce Mumbai

Q2 SQL> select name,salary from emp004 where salary between 25000 and 35000;

NAME SALARY

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

mike 30000

jackson 25000

mark 25000

mary 30000

peter 35000

Q3 SQL> select \* from emp004 where name like 'm%';

EMP\_NO NAME CITY

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

STATE SALARY

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

1 mike mumbai

maharashtra 30000

3 mark banglore

karnataka 25000

7 mary calcutta

west bengal 30000

Q4 SQL> select \* from emp004 where name like 'c%e';

EMP\_NO NAME CITY

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

STATE SALARY

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

4 clarie mumbai

maharashtra 40000

Q5 SQL> select \* from emp004 where name like 'm\_\_\_';

EMP\_NO NAME CITY

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

STATE SALARY

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

1 mike mumbai

maharashtra 30000

3 mark banglore

karnataka 25000

7 mary calcutta

west bengal 30000

Q6

SQL> select emp\_no,name,salary from emp004 where name not like 'j%';

EMP\_NO NAME SALARY

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

1 mike 30000

3 mark 25000

4 clarie 40000

6 susan 45000

7 mary 30000

8 peter 35000

6 rows selected.

Q7 SQL> select \* from emp004 where name not like '%e';

EMP\_NO NAME CITY

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

STATE SALARY

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

2 jackson calcutta

west bengal 25000

3 mark banglore

karnataka 25000

6 susan banglore

karnataka 45000

EMP\_NO NAME CITY

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

STATE SALARY

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

7 mary calcutta

west bengal 30000

8 peter banglore

karnataka 35000

Q8

SQL> select \* from emp004 where emp\_no not between 004 and 007;

EMP\_NO NAME CITY

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

STATE SALARY

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

1 mike mumbai

maharashtra 30000

2 jackson calcutta

west bengal 25000

3 mark banglore

karnataka 25000

EMP\_NO NAME CITY

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

STATE SALARY

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

8 peter banglore

karnataka 35000

Q9 SQL> select \* from emp004 where emp\_no in(001,005,008);

EMP\_NO NAME CITY

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

STATE SALARY

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

1 mike mumbai

maharashtra 30000

5 joyce mumbai

maharashtra 40000

8 peter banglore

karnataka 35000

Q 10 SQL> select \* from emp004 where emp\_no not in(001,002) and city not in('banglore');

EMP\_NO NAME CITY

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

STATE SALARY

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

4 clarie mumbai

maharashtra 40000

5 joyce mumbai

maharashtra 40000

7 mary calcutta

west bengal 30000

Q 11 SQL> select \* from emp004 where emp\_no not in(001,002) or city not in('banglore');

EMP\_NO NAME CITY

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

STATE SALARY

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

1 mike mumbai

maharashtra 30000

2 jackson calcutta

west bengal 25000

3 mark banglore

karnataka 25000

EMP\_NO NAME CITY

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

STATE SALARY

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

4 clarie mumbai

maharashtra 40000

5 joyce mumbai

maharashtra 40000

6 susan banglore

karnataka 45000

EMP\_NO NAME CITY

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

STATE SALARY

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

7 mary calcutta

west bengal 30000

8 peter banglore

karnataka 35000

8 rows selected.