SQL – RELATIONAL OPERATORS

ORDER BY CLAUSE

DDL[CREATE , ALTER ,RENAME & DROP]

SQL> select * from Employee_table where Emp_salary > 30000;

EMP_ID	EMP_NAME	EMP_SALARY
101	Sha	60000

SQL> select * from Employee_table where Emp_name != 'Hari';

EMP_ID	EMP_NAME	EMP_SALARY
102	John	20000
103	Joe	23000
104	Smith	29000
101	Sha	60000

SQL> select * from Employee_table where Emp_name <> 'Hari';

EMP_ID	EMP_NAME	EMP_SALARY
102	John	20000
103	Joe	23000
104	Smith	29000
101	Sha	60000

SQL> select * from Employee_table where Emp_id in(101,103,104);

EMP_ID	EMP_NAME	EMP_SALARY
101	Hari	30000
103	Joe	23000
104	Dev	12000
101	Sha	60000

SQL> select * from Employee_table   where Emp_id not in(101,103,104)

EMP_ID	EMP_NAME	EMP_SALARY
102	John	10000

SQL> select * from Employee_table where Emp_salary between 20000 and 40000;

EMP_ID	EMP_NAME	EMP_SALARY
101	Hari	30000
103	Joe	23000

SQL> select * from Employee_table where Emp_salary not between 20000 and 40000;

EMP_ID	EMP_NAME	EMP_SALARY
102	John	10000
104	Dev	12000
101	Sha	60000

SQL> select * from Employee_table ;

EMP_ID	EMP_NAME	EMP_SALARY
101	Hari	30000
102	John	10000
103	Joe	23000
104	Dev	12000
101	Sha	60000

SQL> select * from Employee_table where Emp_salary >= 40000 and Emp_id in (101,103);

EMP_ID	EMP_NAME	EMP_SALARY
101	Sha	60000

SQL> select * from Employee_table where Emp_salary >= 40000 or Emp_id in (101,103);

EMP_ID	EMP_NAME	EMP_SALARY
101	Hari	30000
103	Joe	23000
101	Sha	60000

SQL> select * from Employee_table where Emp_name like 'S%';

EMP_ID	EMP_NAME	EMP_SALARY
101	Sha	60000

SQL> select * from Employee_table where emp_name like '_a%';

EMP_ID	EMP_NAME	EMP_SALARY
101	Hari	30000

SQL> select * from Employee_table where emp_name not like '_a%';

EMP_ID	EMP_NAME	EMP_SALARY
102	John	10000
103	Joe	23000
104	Dev	12000
101	Sha	60000

SQL> select * from Employee_table where emp_name like '%a%';

EMP_ID	EMP_NAME	EMP_SALARY
101	Hari	30000
101	Sha	60000

SQL> insert into Employee_table (Emp_id,Emp_salary) values(103,20000);

1 row created.

SQL> select * from Employee_table;

EMP_ID	EMP_NAME	EMP_SALARY
101	Hari	30000
102	John	10000
103	Joe	23000
104	Dev	12000
101	Sha	60000
103		20000

6 rows selected.

SQL> select * from Employee_table where Emp_name is null;

EMP_ID	EMP_NAME	EMP_SALARY
103		20000

SQL> select * from Employee_table where Emp_name is not null;

EMP_ID	EMP_NAME	EMP_SALARY
101	Hari	30000
102	John	10000
103	Joe	23000
104	Dev	12000
101	Sha	60000

SQL> select * from Employee_table order by Emp_id;

EMP_ID	EMP_NAME	EMP_SALARY
101	Sha	60000
101	Hari	30000
102	John	10000
103		20000
103	Joe	23000
104	Dev	12000

6 rows selected.

SQL> select * from Employee_table order by Emp_id desc;

EMP_ID	EMP_NAME	EMP_SALARY
104	Dev	12000
103	Joe	23000
103		20000
102	John	10000
101	Hari	30000
101	Sha	60000

6 rows selected.

SQL> select * from Employee_table order by Emp_id,Emp_name;

EMP_ID	EMP_NAME	EMP_SALARY
101	Hari	30000
101	Sha	60000
102	John	10000
103	Joe	23000
103		20000
104	Dev	12000

6 rows selected.

SQL> select * from Employee_table order by Emp_id,Emp_name desc;

EMP_ID	EMP_NAME	EMP_SALARY
101	Sha	60000
101	Hari	30000
102	John	10000
103		20000
103	Joe	23000
104	Dev	12000

6 rows selected.

SQL> alter table Employee_table add DateOfJoining date;

Table altered

SQL> select * from Employee_table;

EMP_ID	EMP_NAME	EMP_SALARY	DATEOFJOINING
101	Hari	30000	
102	John	10000	
103	Joe	23000	
104	Dev	12000	
101	Sha	60000	
103		20000	

6 rows selected.

SQL> update Employee_table set DateOfJoining = sysdate where Emp_id=103;

2 rows updated.

SQL> select * from Employee_table;

EMP_ID	EMP_NAME	EMP_SALARY	DATEOFJOINING
101	Hari	30000	
102	John	10000	
103	Joe	23000	12-AUG-24
104	Dev	12000	
101	Sha	60000	
103		20000	12-AUG-24

6 rows selected.

SQL> update Employee_table set DateOfJoining = '5-Aug-4' where Emp_id=103;

2 rows updated.

SQL> select * from Employee_table;

EMP_ID	EMP_NAME	EMP_SALARY	DATEOFJOINING
101	Hari	30000	
102	John	10000	
103	Joe	23000	05-AUG-04
104	Dev	12000	
101	Sha	60000	
103		20000	05-AUG-04

6 rows selected.

SQL> alter table Employee_table drop column DateOfJoining;

Table altered.

SQL> select * from Employee_table;

EMP_ID	EMP_NAME	EMP_SALARY
101	Hari	30000
102	John	10000
103	Joe	23000
104	Dev	12000
101	Sha	60000
103		20000

6 rows selected.

SQL> update Employee_table set Emp_salary = 10000 where Emp_id = 102;

1 row updated.

SQL> commit;

Commit complete.

SQL> update Employee_table set Emp_salary = 12000 , Emp_name = 'Dev' where Emp_id = 104;

1 row updated.

SQL> commit;

Commit complete.

SQL> select * from Employee_table where Emp_id in(101,103,104);

EMP_ID	EMP_NAME	EMP_SALARY
101	Hari	30000
103	Joe	23000
104	Dev	12000
101	Sha	60000
103		20000

SQL> select * from Employee_table where Emp_id not in(101,103,104);

EMP_ID	EMP_NAME	EMP_SALARY
102	John	10000

SQL> alter table Employee_table add Dept_No number;

Table altered.

SQL> update Employee_table set Dept_No = 10 where Emp_id in (101);

2 rows updated.

SQL> update Employee_table set Dept_No = 20 where Emp_id in (104);

1 row updated.

SQL> update Employee_table set Dept_No = 27 where Emp_id in (103,102);

3 rows updated.