

APPLIED COMPONENTS

SQL

PRACTICAL NO-3

date:24-08-2022

ROLL_NO : 403

Q1

i)

SQL> select * from emp1 where edept = 'hr';

| ENO | ENAME | EDOJ | ESAL | EDESIG | EDEPT | BONUS_NO |
|-----|--------|-----------|------|---------|-------|----------|
| 6 | vishal | 01-JUN-02 | 150 | manager | hr | |

ii)

SQL> select * from emp1 order by edept asc, edesig desc;

| ENO | ENAME | EDOJ | ESAL | EDESIG | EDEPT | BONUS_NO |
|-----|--------|-----------|--------|------------|------------|----------|
| 5 | maya | 19-NOV-02 | 150.3 | accountant | finance | |
| 6 | vishal | 01-JUN-02 | 150 | manager | hr | |
| 4 | shalu | 10-SEP-01 | 50.1 | accountant | marketing | |
| 1 | sahil | 14-JAN-02 | 150 | sr prog | programmer | |
| 3 | anjali | 20-DEC-02 | 100.23 | sr prog | programmer | |
| 2 | arpita | 23-FEB-02 | 150 | softprog | programmer | |

iii)

SQL> select eno as "employee number", ename as "employee name", edoj as "employee date of joining", edept as "employee department" from emp1;

| employee number | employee name | employee date of joining | employee department |
|-----------------|---------------|--------------------------|---------------------|
| 1 | sahil | 14-JAN-02 | programmer |
| 2 | arpita | 23-FEB-02 | programmer |
| 3 | anjali | 20-DEC-02 | programmer |
| 4 | shalu | 10-SEP-01 | marketing |
| 5 | maya | 19-NOV-02 | finance |
| 6 | vishal | 01-JUN-02 | hr |

6 rows selected.

iv)

SQL> select * from emp1 where esal between 30000 and 5000;

no rows selected

SQL> select * from emp1 where esal between 10 and 1000 ;

| ENO | ENAME | EDOJ | ESAL | EDESIG | EDEPT | BONUS_NO |
|-----|--------|-----------|--------|------------|------------|----------|
| 1 | sahil | 14-JAN-02 | 150 | sr prog | programmer | |
| 2 | arpita | 23-FEB-02 | 150 | softprog | programmer | |
| 3 | anjali | 20-DEC-02 | 100.23 | sr prog | programmer | |
| 4 | shalu | 10-SEP-01 | 50.1 | accountant | marketing | |
| 5 | maya | 19-NOV-02 | 150.3 | accountant | finance | |
| 6 | vishal | 01-JUN-02 | 150 | manager | hr | |

6 rows selected.

v)

SQL> select * from emp1 where ename like '_h%';

| ENO | ENAME | EDOJ | ESAL | EDESIG | EDEPT | BONUS_NO |
|-----|-------|------|------|--------|-------|----------|
|-----|-------|------|------|--------|-------|----------|

| ENO | ENAME | EDOJ | ESAL | EDESIG | EDEPT | BONUS_NO |
|-----|-------|-----------|------|------------|-----------|----------|
| 4 | shalu | 10-SEP-01 | 50.1 | accountant | marketing | |

vi)

SQL> select * from emp1 where edept = 'hr' and edesig = 'sr prog';

no rows selected

SQL> select * from emp1 where edept = 'programmer' and edesig = 'sr prog';

| ENO | ENAME | EDOJ | ESAL | EDESIG | EDEPT | BONUS_NO |
|-----|--------|-----------|--------|---------|------------|----------|
| 1 | sahil | 14-JAN-02 | 150 | sr prog | programmer | |
| 3 | anjali | 20-DEC-02 | 100.23 | sr prog | programmer | |

vii)

SQL> select * from emp1 where edesig in ('accountant','sr prog','clerk');

| ENO | ENAME | EDOJ | ESAL | EDESIG | EDEPT | BONUS_NO |
|-----|--------|-----------|--------|------------|------------|----------|
| 1 | sahil | 14-JAN-02 | 150 | sr prog | programmer | |
| 3 | anjali | 20-DEC-02 | 100.23 | sr prog | programmer | |
| 4 | shalu | 10-SEP-01 | 50.1 | accountant | marketing | |
| 5 | maya | 19-NOV-02 | 150.3 | accountant | finance | |

viii)

SQL> select * from emp1 where edoj<='28-mar-2003';

| ENO | ENAME | EDOJ | ESAL | EDESIG | EDEPT | BONUS_NO |
|-----|--------|-----------|--------|------------|------------|----------|
| 1 | sahil | 14-JAN-02 | 150 | sr prog | programmer | |
| 2 | arpita | 23-FEB-02 | 150 | softprog | programmer | |
| 3 | anjali | 20-DEC-02 | 100.23 | sr prog | programmer | |
| 4 | shalu | 10-SEP-01 | 50.1 | accountant | marketing | |
| 5 | maya | 19-NOV-02 | 150.3 | accountant | finance | |
| 6 | vishal | 01-JUN-02 | 150 | manager | hr | |

6 rows selected.

Q2)

i)

SQL> delete from emp1 where ename like '____';

2 rows deleted.

SQL> select * from emp1;

| ENO | ENAME | EDOJ | ESAL | EDESIG | EDEPT | BONUS_NO |
|-----|--------|-----------|--------|------------|------------|----------|
| 2 | arpita | 23-FEB-02 | 150 | softprog | programmer | |
| 3 | anjali | 20-DEC-02 | 100.23 | sr prog | programmer | |
| 5 | maya | 19-NOV-02 | 150.3 | accountant | finance | |
| 6 | vishal | 01-JUN-02 | 150 | manager | hr | |

ii)

SQL> delete from emp1 where esal<=20000;

4 rows deleted.

iii)

SQL> delete from emp1 where ename is null;

0 rows deleted.

iv)

```
SQL> delete from emp1 where eno=1009;
```

0 rows deleted.

v)

```
SQL> delete from emp1 where edesig='manager';
```

0 rows deleted.