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CSE - CC J2

DBMS LAB EXP 12 - VIEWS

create table emp_049(emp_no number(6),emp_name varchar2(30),job varchar2(30),dept_no number(6),sal number(6),dept_name varchar2(30));

```
SQL> desc emp_049;
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 EMP_NO                                             NUMBER(6)
 EMP_NAME                                           VARCHAR2(30)
 JOB                                               VARCHAR2(30)
 DEPT_NO                                            NUMBER(6)
 SAL                                               NUMBER(6)
 DEPT_NAME                                          VARCHAR2(30)
```

Insert into emp_049 values (100,'shushrut','ASP',10,1700,'CSE');

insert into emp_049 values (101,'viren','AP',20,1500,'MECH');

insert into emp_049 values (102,'Vidhi','ASP',10,2500,'CSE');

insert into emp_049 values (103,'Sachin','AP',20,1800,'MECH');

insert into emp_049 values (104,'Parma','ASP',10,1700,'CSE');

```
SQL> select * from emp_049;

    EMP_NO EMP_NAME                       JOB
---------- ------------------------------ ------------------
   DEPT_NO        SAL DEPT_NAME
---------- ---------- ------------------------------
       100 shushrut                       ASP
        10       1700 CSE

       101 viren                          AP
        20       1500 MECH

       102 Vidhi                          ASP
        10       2500 CSE


    EMP_NO EMP_NAME                       JOB
---------- ------------------------------ ------------------
   DEPT_NO        SAL DEPT_NAME
---------- ---------- ------------------------------
       103 Sachin                         AP
        20       1800 MECH

       104 Parma                          ASP
        10       1700 CSE
```

1. **The organization wants to display only the details of the employees those who are ASP.**

   create view empview as select * from emp_049 where job='ASP';

```
SQL> select * from empview;

   EMP_NO EMP_NAME                           JOB
---------- --------------------------- -----------
  DEPT_NO        SAL DEPT_NAME
---------- ---------- --------------------------------
      100 shushrut                           ASP
       10       1700 CSE

      102 Vidhi                              ASP
       10       2500 CSE

      104 Parma                              ASP
       10       1700 CSE
```

2. **The organization wants to display only the details like empno, empname, deptno, deptname of the employees.**

create view empview1 as select emp_no,dept_no,emp_name,sal,dept_name from Emp_049;

```
SQL> select * from empview1;

    EMP_NO    DEPT_NO EMP_NAME                                    SAL
---------- ---------- ----------------------------- ----------
DEPT_NAME
-----------------------------
       100         10 shushrut                                  1700
CSE

       101         20 viren                                     1500
MECH

       102         10 Vidhi                                     2500
CSE


    EMP_NO    DEPT_NO EMP_NAME                                    SAL
---------- ---------- ----------------------------- ----------
DEPT_NAME
-----------------------------
       103         20 Sachin                                    1800
MECH

       104         10 Parma                                     1700
CSE
```

3. **Delete any one record and view the view records.**

delete from empview1 where dept_no='10';

```
SQL> select * from empview1;

    EMP_NO    DEPT_NO EMP_NAME                                    SAL
---------- ---------- ----------------------------- ----------
DEPT_NAME
-----------------------------
       101         20 viren                                     1500
MECH

       103         20 Sachin                                    1800
MECH
```

4. Execute the DML commands on the view created.

A. SELECT COMMAND select * from empview1;

```
SQL> select * from empview1;

    EMP_NO    DEPT_NO EMP_NAME                                      SAL
---------- ---------- ----------------------------- ----------
DEPT_NAME
-----------------------------
       101         20 viren                                        1500
MECH

       103         20 Sachin                                       1800
MECH
```

B. INSERTION Insert into empview1 values(106,10,'freddy',5000,'CSE');

```
SQL> select * from empview1;

    EMP_NO    DEPT_NO EMP_NAME                                      SAL
---------- ---------- ----------------------------- ----------
DEPT_NAME
-----------------------------
       101         20 viren                                        1500
MECH

       103         20 Sachin                                       1800
MECH

       106         10 freddy                                       5000
CSE
```

C. UPDATION update empview1 set emp_name='sona' where emp_no='101';

```
SQL> select * from empview1;

    EMP_NO    DEPT_NO EMP_NAME                                      SAL
---------- ---------- ------------------------------- ----------
DEPT_NAME
-------------------------------
       101         20 sona                                        1500
MECH

       103         20 Sachin                                      1800
MECH

       106         10 freddy                                      5000
CSE
```

 D. DELETION delete empview1 where emp_name='sona';

```
SQL> select * from empview1;

    EMP_NO    DEPT_NO EMP_NAME                                      SAL
---------- ---------- ------------------------------- ---------
DEPT_NAME
-------------------------------
       103         20 Sachin                                      1800
MECH

       106         10 freddy                                      5000
CSE
```

5. **Drop a view.**

   drop view empview1;

```
SQL> drop view empview1;

View dropped.

SQL>
```