Lab Assignment-08

ROLL: 2005535 | NAME: SAHIL SINGH | DATE: 06/04/22

QUES 1: Create a view as Emp_view which has Empid, jobid, managerid, departmentid, locationid, countryid, firstname, lastname, salary, commissionpct, departmentname.

2. Insert one record in that view and check whether it is affecting the table or not and delete that data and check.

3. create a sequence as seq1 which will start from 100 to 900 increment by 1. Implement that sequence in table.

SOLUTION:

Create a view as Emp_view which has Empid, jobid, managerid, departmentid, locationid, countryid, firstname, lastname, salary, commissionpct, departmentname.

SQL> select * from emp;

```
SQL> select * from emp;

    EMPNO ENAME      JOB            MGR HIREDATE        SAL       COMM     DEPTNO
--------- ---------- --------- ---------- --------- ---------- ---------- ----------
     5535 SAHIL      STUDENT       7777                  1000        200         40
     7839 KING       PRESIDENT          17-NOV-81        5000                    10
     7698 BLAKE      MANAGER      7839 01-MAY-81         2850                    30
     7782 CLARK      MANAGER      7839 09-JUN-81         2450                    10
     7566 JONES      MANAGER      7839 02-APR-81         2975                    20
     7788 SCOTT      ANALYST      7566 19-APR-87         3000                    20
     7902 FORD       ANALYST      7566 03-DEC-81         3000                    20
     7369 SMITH      CLERK        7902 17-DEC-80          800                    20
     7499 ALLEN      SALESMAN     7698 20-FEB-81         1600        300         30
     7521 WARD       SALESMAN     7698 22-FEB-81         1250        500         30
     7654 MARTIN     SALESMAN     7698 28-SEP-81         1250       1400         30
     7844 TURNER     SALESMAN     7698 08-SEP-81         1500          0         30
     7876 ADAMS      CLERK        7788 23-MAY-87         1100                    20
     7900 JAMES      CLERK        7698 03-DEC-81          950                    30
     7934 MILLER     CLERK        7782 23-JAN-82         1300                    10

15 rows selected.
```

SQL> create view emp_view as select empno, job, mgr, sal, comm, ename, deptno from emp;

SQL> select * from emp_view;

```
SQL> create view emp_view as select empno, job, mgr, sal, comm, ename, deptno from emp;

View created.

SQL> select * from emp_view;

    EMPNO JOB              MGR        SAL       COMM ENAME          DEPTNO
--------- --------- ---------- ---------- ---------- ---------- ----------
     7839 PRESIDENT                  5000            KING               10
     7698 MANAGER         7839       2850            BLAKE              30
     7782 MANAGER         7839       2450            CLARK              10
     7566 MANAGER         7839       2975            JONES              20
     7788 ANALYST         7566       3000            SCOTT              20
     7902 ANALYST         7566       3000            FORD               20
     7369 CLERK           7902        800            SMITH              20
     7499 SALESMAN        7698       1600        300 ALLEN              30
     7521 SALESMAN        7698       1250        500 WARD               30
     7654 SALESMAN        7698       1250       1400 MARTIN             30
     7844 SALESMAN        7698       1500          0 TURNER             30

    EMPNO JOB              MGR        SAL       COMM ENAME          DEPTNO
--------- --------- ---------- ---------- ---------- ---------- ----------
     7876 CLERK           7788       1100            ADAMS              20
     7900 CLERK           7698        950            JAMES              30
     7934 CLERK           7782       1300            MILLER             10

14 rows selected.
```

Insert one record in that view and check whether it is affecting the table or not and delete that data and check.

```
SQL> insert into emp_view values(5535, 'STUDENT', 7777, 1000, 200, 'SAHIL', 40);
```

```
SQL> select * from emp_view;
```

```
SQL> insert into emp_view values(5535, 'STUDENT', 7777, 1000, 200, 'SAHIL', 40);

1 row created.

SQL> select * from emp_view;

     EMPNO JOB              MGR        SAL       COMM ENAME          DEPTNO
---------- --------- ---------- ---------- ---------- ---------- ----------
      5535 STUDENT         7777       1000        200 SAHIL             40
      7839 PRESIDENT                  5000            KING              10
      7698 MANAGER         7839       2850            BLAKE             30
      7782 MANAGER         7839       2450            CLARK             10
      7566 MANAGER         7839       2975            JONES             20
      7788 ANALYST         7566       3000            SCOTT             20
      7902 ANALYST         7566       3000            FORD              20
      7369 CLERK           7902        800            SMITH             20
      7499 SALESMAN        7698       1600        300 ALLEN             30
      7521 SALESMAN        7698       1250        500 WARD              30
      7654 SALESMAN        7698       1250       1400 MARTIN            30

     EMPNO JOB              MGR        SAL       COMM ENAME          DEPTNO
---------- --------- ---------- ---------- ---------- ---------- ----------
      7844 SALESMAN        7698       1500          0 TURNER            30
      7876 CLERK           7788       1100            ADAMS             20
      7900 CLERK           7698        950            JAMES             30
      7934 CLERK           7782       1300            MILLER            10

15 rows selected.
```

```
SQL> delete from emp where ename ='SAHIL';
```

```
SQL> select * from emp_view;
```

```
SQL> delete from emp where ename ='SAHIL';

1 row deleted.

SQL> select * from emp_view;

     EMPNO JOB              MGR        SAL       COMM ENAME          DEPTNO
---------- --------- ---------- ---------- ---------- ---------- ----------
      7839 PRESIDENT                  5000            KING              10
      7698 MANAGER         7839       2850            BLAKE             30
      7782 MANAGER         7839       2450            CLARK             10
      7566 MANAGER         7839       2975            JONES             20
      7788 ANALYST         7566       3000            SCOTT             20
      7902 ANALYST         7566       3000            FORD              20
      7369 CLERK           7902        800            SMITH             20
      7499 SALESMAN        7698       1600        300 ALLEN             30
      7521 SALESMAN        7698       1250        500 WARD              30
      7654 SALESMAN        7698       1250       1400 MARTIN            30
      7844 SALESMAN        7698       1500          0 TURNER            30
      7876 CLERK           7788       1100            ADAMS             20
      7900 CLERK           7698        950            JAMES             30
      7934 CLERK           7782       1300            MILLER            10

14 rows selected.
```

SQL> select * from emp;

```
SQL> select * from emp;

     EMPNO ENAME      JOB              MGR HIREDATE         SAL       COMM     DEPTNO
---------- ---------- --------- ---------- --------- ---------- ---------- ----------
      7839 KING       PRESIDENT            17-NOV-81      5000                     10
      7698 BLAKE      MANAGER         7839 01-MAY-81      2850                     30
      7782 CLARK      MANAGER         7839 09-JUN-81      2450                     10
      7566 JONES      MANAGER         7839 02-APR-81      2975                     20
      7788 SCOTT      ANALYST         7566 19-APR-87      3000                     20
      7902 FORD       ANALYST         7566 03-DEC-81      3000                     20
      7369 SMITH      CLERK           7902 17-DEC-80       800                     20
      7499 ALLEN      SALESMAN        7698 20-FEB-81      1600        300          30
      7521 WARD       SALESMAN        7698 22-FEB-81      1250        500          30
      7654 MARTIN     SALESMAN        7698 28-SEP-81      1250       1400          30
      7844 TURNER     SALESMAN        7698 08-SEP-81      1500          0          30
      7876 ADAMS      CLERK           7788 23-MAY-87      1100                     20
      7900 JAMES      CLERK           7698 03-DEC-81       950                     30
      7934 MILLER     CLERK           7782 23-JAN-82      1300                     10

14 rows selected.
```

Create a sequence as seq1 which will start from 100 to 900 increment by 1. Implement that sequence in table.

SQL> create sequence seq1 increment by 1 start with 100 maxvalue 900 nocache;

SQL> select * from user_sequences where sequence_name = 'SEQ1';

```
SQL> create sequence seq1 increment by 1 start with 100 maxvalue 900 nocache;

Sequence created.

SQL>
SQL> select * from user_sequences where sequence_name = 'SEQ1';

SEQUENCE_NAME                     MIN_VALUE  MAX_VALUE INCREMENT_BY C O CACHE_SIZE LAST_NUMBER
------------------------------- ---------- ---------- ------------ - - ---------- -----------
SEQ1                                     1        900            1 N N          0         100
```

SQL> select * from student2;

```
SQL> select * from student2;

      ROLL NAME       CITY                              AGE       CGPA BRANC
---------- ---------- ------------------------- ---------- ---------- -----
       102 Hari       Bhubaneswar                                6.7 CSE
       103 Uday       Jharkhand                         20       8.97 CSE
       104 Vikas      Uttar Pradesh                     19        8.5 CSE
       105 Sweta      Ranchi                            19        9.2 CSE
       106 Yogesh     Rajasthan                         18        7.9 CSE
       210 Smriti     Delhi                             20       8.99 CSE
       211 Sundam     Cuttack                           21        8.6 CSE
       212 Vikas      Kolkata                           23       5.98 CSE
       165 Manish                                       19       9.15 CSE

9 rows selected.
```

SQL> insert into student2 (roll, name) values(SEQ1.nextval, 'Sahil');

SQL> insert into student2 (roll, name) values(SEQ1.nextval, 'Singh');

```
SQL> insert into student2 (roll, name) values(SEQ1.nextval, 'Sahil');

1 row created.

SQL> insert into student2 (roll, name) values(SEQ1.nextval, 'Singh');

1 row created.
```

SQL> select * from student2;

```
SQL> select * from student2;

      ROLL NAME             CITY                           AGE       CGPA BRANC
---------- ---------------- --------------------- ---------- ---------- -----
       102 Hari             Bhubaneswar                                6.7 CSE
       103 Uday             Jharkhand                     20      8.97 CSE
       104 Vikas            Uttar Pradesh                 19       8.5 CSE
       105 Sweta            Ranchi                        19       9.2 CSE
       106 Yogesh           Rajasthan                     18       7.9 CSE
       210 Smriti           Delhi                         20      8.99 CSE
       211 Sundam           Cuttack                       21       8.6 CSE
       212 Vikas            Kolkata                       23      5.98 CSE
       165 Manish                                         19      9.15 CSE
       100 Sahil
       101 Singh

11 rows selected.
```