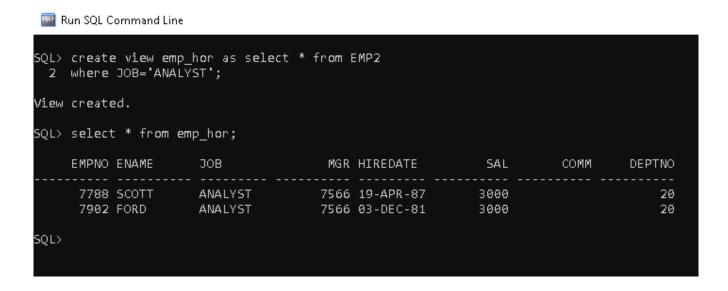# PRACTICAL 8
Study of various types of views

Considering Emp and Dept table, perform the following:

1. Create a view named emp_hor with the job titled as 'ANALYST'.


```
SQL> create view emp_hor as select * from EMP2
  2  where JOB='ANALYST';

View created.

SQL> select * from emp_hor;

    EMPNO ENAME      JOB              MGR HIREDATE         SAL       COMM     DEPTNO
--------- ---------- ---------- --------- --------- --------- ---------- ----------
     7788 SCOTT      ANALYST         7566 19-APR-87      3000                     20
     7902 FORD       ANALYST         7566 03-DEC-81      3000                     20

SQL>
```

2. Create a view named vwemp specifying name of employees, job and their salary.

```
SQL> create view vwemp as select ENAME, JOB, SAL from EMP2;

View created.

SQL> select * from vwemp;

ENAME       JOB              SAL
----------  ----------  ----------
KING        PRESIDENT        5000
BLAKE       MANAGER          2850
CLARK       MANAGER          2450
JONES       MANAGER          2975
SCOTT       ANALYST          3000
FORD        ANALYST          3000
SMITH       CLERK             800
ALLEN       SALESMAN         1600
WARD        SALESMAN         1250
MARTIN      SALESMAN         1250
TURNER      SALESMAN         1500
ADAMS       CLERK            1100
JAMES       CLERK             950
MILLER      CLERK            1300

14 rows selected.
```

3. Create a view displaying total salary on the basis of the jobs.

```
SQL> create view group1(JOB,COUNT_EMP) as select JOB, count(*) from EMP2
  2  group by JOB;

View created.

SQL> select * from group1;

JOB         COUNT_EMP
---------  ----------
CLERK               4
SALESMAN            4
PRESIDENT           1
MANAGER             3
ANALYST             2

SQL>
```

4. Create a view with contains name of employee, dept and the location of the employees.

```
SQL> create view view1 as select ENAME, DNAME, LOC
  2  from EMP inner join DEPT
  3  on EMP.DEPTNO = DEPT.DEPTNO;

View created.

SQL> select * from view1;

ENAME      DNAME          LOC
---------- -------------- -------------
KING       ACCOUNTING     NEWYORK
BLAKE      SALES          CHICAGO
CLARK      ACCOUNTING     NEWYORK
JONES      RESEARCH       DALLAS
SCOTT      RESEARCH       DALLAS
FORD       RESEARCH       DALLAS
SMITH      RESEARCH       DALLAS
ALLEN      SALES          CHICAGO
WARD       SALES          CHICAGO
MARTIN     SALES          CHICAGO
TURNER     SALES          CHICAGO
ADAMS      RESEARCH       DALLAS
JAMES      SALES          CHICAGO
MILLER     ACCOUNTING     NEWYORK

14 rows selected.
```

5. Create a view to display the name of the employees with their salary and job who belongs to department 20.

```
SQL> create view view2 as select ENAME, SAL, JOB from EMP2
  2  where DEPTNO=20;

View created.

SQL> select * from view2;

ENAME             SAL JOB
---------- ---------- ---------
JONES            2975 MANAGER
SCOTT            3000 ANALYST
FORD             3000 ANALYST
SMITH             800 CLERK
ADAMS            1100 CLERK
```

6. Delete all the views created above.

```
SQL> drop view emp_hor;

View dropped.

SQL> drop view vwemp;

View dropped.

SQL> drop view group1;

View dropped.

SQL> drop view view1;

View dropped.

SQL> drop view view2;

View dropped.

SQL>
```