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Practical No: 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
  2  as
  3  select * from AADIL_EMP
  4  where JOB='ANALYST';

View created.
```

```
SQL> select * from emp_hor;

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

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

```
SQL> create view vwemp(Ename,JOB,SAL)
  2  as
  3  select Ename,JOB,SAL from AADIL_EMP;

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 TSAL(TOT_SAL,JOB)
  2  as
  3  select sum(SAL),JOB from AADIL_EMP
  4  group by JOB;

View created.

SQL> select * from TSAL;

   TOT_SAL JOB
---------- ---------
      4150 CLERK
      5600 SALESMAN
      5000 PRESIDENT
      8275 MANAGER
      6000 ANALYST
```

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

```
SQL> create view num4
  2  as
  3  select Ename,dept_no,JOB from AADIL_EMP;

View created.

SQL> select * from num4;

ENAME           DEPT_NO JOB
---------- ---------- ---------
KING                10 PRESIDENT
BLAKE               30 MANAGER
CLARK               10 MANAGER
JONES               20 MANAGER
SCOTT               20 ANALYST
FORD                20 ANALYST
SMITH               20 CLERK
ALLEN               30 SALESMAN
WARD                30 SALESMAN
MARTIN              30 SALESMAN
TURNER              30 SALESMAN
ADAMS               20 CLERK
JAMES               30 CLERK
MILLER              10 CLERK

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 new3
  2  as
  3  select SAL,JOB from AADIL_EMP
  4  where dept_no=20;

View created.

SQL> select * from new3;

       SAL JOB
---------- ---------
      2975 MANAGER
      3000 ANALYST
      3000 ANALYST
       800 CLERK
      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 TSAL;

View dropped.

SQL> drop view new3;

View dropped.
```