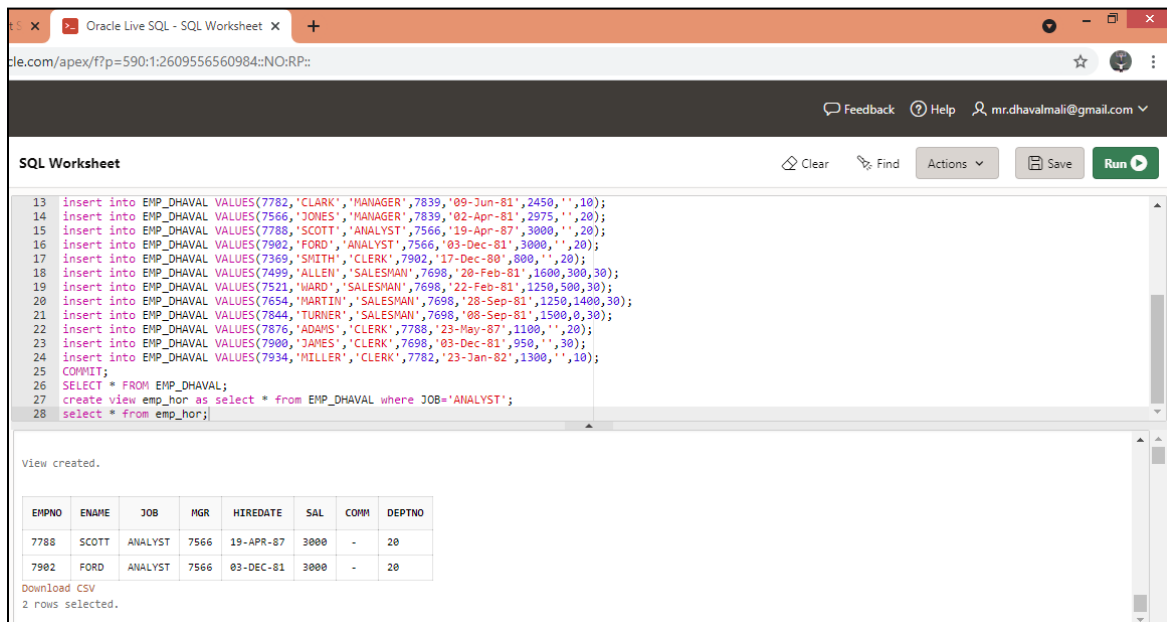


Practical 8 : Study of various types of Views

Considering Emp and Dept table, perform the following

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



SQL Worksheet

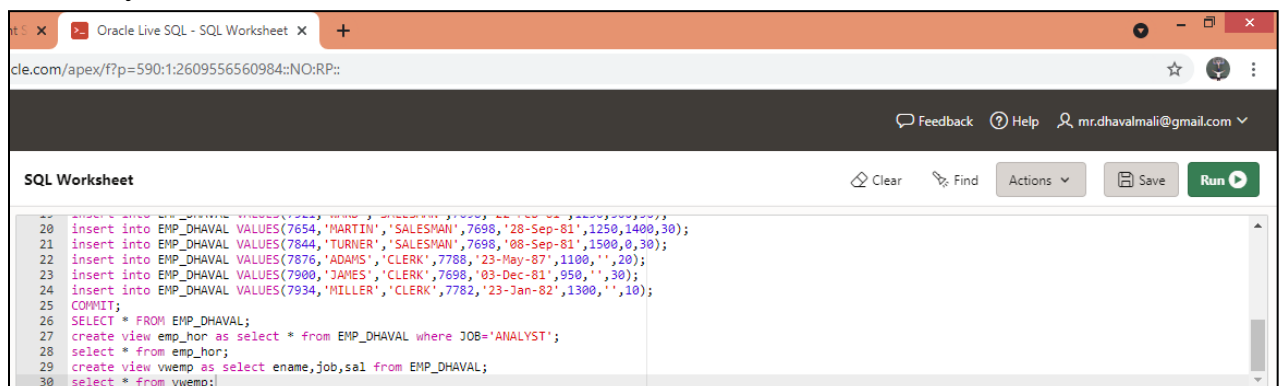
```
13 insert into EMP_DHAVAL VALUES(7782,'CLARK','MANAGER',7839,'09-Jun-81',2450,'',10);
14 insert into EMP_DHAVAL VALUES(7566,'JONES','MANAGER',7839,'02-Apr-81',2975,'',20);
15 insert into EMP_DHAVAL VALUES(7788,'SCOTT','ANALYST',7566,'19-Apr-87',3000,'',20);
16 insert into EMP_DHAVAL VALUES(7902,'FORD','ANALYST',7566,'03-Dec-81',3000,'',20);
17 insert into EMP_DHAVAL VALUES(7369,'SMITH','CLERK',7902,'17-Dec-80',800,'',20);
18 insert into EMP_DHAVAL VALUES(7499,'ALLEN','SALESMAN',7698,'20-Feb-81',1600,300,30);
19 insert into EMP_DHAVAL VALUES(7521,'WARD','SALESMAN',7698,'22-Feb-81',1250,500,30);
20 insert into EMP_DHAVAL VALUES(7654,'MARTIN','SALESMAN',7698,'28-Sep-81',1250,1400,30);
21 insert into EMP_DHAVAL VALUES(7844,'TURNER','SALESMAN',7698,'08-Sep-81',1500,0,30);
22 insert into EMP_DHAVAL VALUES(7876,'ADAMS','CLERK',7788,'23-May-87',1100,'',20);
23 insert into EMP_DHAVAL VALUES(7900,'JAMES','CLERK',7698,'03-Dec-81',950,'',30);
24 insert into EMP_DHAVAL VALUES(7934,'MILLER','CLERK',7782,'23-Jan-82',1300,'',10);
25 COMMIT;
26 SELECT * FROM EMP_DHAVAL;
27 create view emp_hor as select * from EMP_DHAVAL where JOB='ANALYST';
28 select * from emp_hor;
```

View created.

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

Download CSV
2 rows selected.

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



SQL Worksheet

```
20 insert into EMP_DHAVAL VALUES(7654,'MARTIN','SALESMAN',7698,'28-Sep-81',1250,1400,30);
21 insert into EMP_DHAVAL VALUES(7844,'TURNER','SALESMAN',7698,'08-Sep-81',1500,0,30);
22 insert into EMP_DHAVAL VALUES(7876,'ADAMS','CLERK',7788,'23-May-87',1100,'',20);
23 insert into EMP_DHAVAL VALUES(7900,'JAMES','CLERK',7698,'03-Dec-81',950,'',30);
24 insert into EMP_DHAVAL VALUES(7934,'MILLER','CLERK',7782,'23-Jan-82',1300,'',10);
25 COMMIT;
26 SELECT * FROM EMP_DHAVAL;
27 create view emp_hor as select * from EMP_DHAVAL where JOB='ANALYST';
28 select * from emp_hor;
29 create view vwemp as select ename,job,sal from EMP_DHAVAL;
30 select * from vwemp;
```

View created.

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

[Download CSV](#)
14 rows selected.

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

The screenshot shows the Oracle Live SQL interface with the following SQL queries and results:

```

15 insert into EMP_DHAVAL VALUES(7788,'SCOTT','ANALYST',7566,'03-Apr-87',3000,'',20);
16 insert into EMP_DHAVAL VALUES(7902,'FORD','ANALYST',7566,'03-Dec-81',3000,'',20);
17 insert into EMP_DHAVAL VALUES(7369,'SMITH','CLERK',7902,'17-Dec-80',800,'',20);
18 insert into EMP_DHAVAL VALUES(7499,'ALLEN','SALESMAN',7698,'20-Feb-81',1600,300,30);
19 insert into EMP_DHAVAL VALUES(7521,'WARD','SALESMAN',7698,'22-Feb-81',1250,500,30);
20 insert into EMP_DHAVAL VALUES(7654,'MARTIN','SALESMAN',7698,'28-Sep-81',1250,1400,30);
21 insert into EMP_DHAVAL VALUES(7844,'TURNER','SALESMAN',7698,'08-Sep-81',1500,0,30);
22 insert into EMP_DHAVAL VALUES(7876,'ADAMS','CLERK',7788,'23-May-87',1100,'',20);
23 insert into EMP_DHAVAL VALUES(7900,'JAMES','CLERK',7698,'03-Dec-81',950,'',20);
24 insert into EMP_DHAVAL VALUES(7934,'MILLER','CLERK',7782,'23-Jan-82',1300,'',10);
25 COMMIT;
26 SELECT * FROM EMP_DHAVAL;
27 create view emp_hor as select * from EMP_DHAVAL where JOB='ANALYST';
28 select * from emp_hor;
29 create view vwemp as select ename,job,sal from EMP_DHAVAL;
30 select * from vwemp;
31 create view emp_display(job,total_salary) as select job,sum(sal) from EMP_DHAVAL group by job;
32 select * from emp_display;

```

JOB	TOTAL_SALARY
ANALYST	6000
CLERK	4150
SALESMAN	5600
MANAGER	8275
PRESIDENT	5000

Download CSV
5 rows selected.

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

The screenshot shows the Oracle Live SQL interface with the following SQL queries and results:

```

31 create view emp_display(job,total_salary) as select job,sum(sal) from EMP_DHAVAL group by job;
32 select * from emp_display;
33 create view emp_vip as select ENAME,DEPT_DHAVAL.DEPTNO,LOC FROM EMP_DHAVAL INNER JOIN DEPT_DHAVAL
34 ON EMP_DHAVAL.DEPTNO=DEPT_DHAVAL.DEPTNO;
35 SELECT * FROM emp_vip;

```

ENAME	DEPTNO	LOC
KING	10	NEW YORK
BLAKE	30	CHICAGO
CLARK	10	NEW YORK
JONES	20	DALLAS
SCOTT	20	DALLAS
FORD	20	DALLAS
SMITH	20	DALLAS
ALLEN	30	CHICAGO
WARD	30	CHICAGO
MARTIN	30	CHICAGO
TURNER	30	CHICAGO
ADAMS	20	DALLAS
JAMES	30	CHICAGO
MILLER	10	NEW YORK

Download CSV
14 rows selected.

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

```
36 create view emp_data as select ENAME,SAL,JOB FROM EMP_DHAVAL Where deptno=20;  
37 select * from emp_data  
38
```

View created.

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

[Download CSV](#)
5 rows selected.

6. Drop all the views created above.

```
38 drop view emp_hor;  
39 drop view vwemp;  
40 drop view emp_display;  
41 drop view emp_vip;  
42 drop view emp_data;
```

View dropped.

View dropped.

View dropped.

View dropped.