Assignment-7

1. Create a view D_10EMP containing details of employees in department 10.

```
create view D_10EMP AS SELECT * FROM EMP WHERE DEPTNO = 10;
```

2. Create a view Dept_Summary containing Dname, MINSal, MAXSal, AVGSal.

```
CREATE VIEW Dept_Summary as select d.dname DNAME ,min(e.sal) MINSAL, max(e.sal) MAXSAL,avg(e.sal) AVGSAL from dept d,emp e group by dname;
```

3. Create a view Emp_Data which would validate entry of any INSERT/ UPDATE command so that Sal figure would be between 10000 to 20000 and MGR would have to be a valid Empno, and Deptno must exists on Dept table.

```
create or replace view Emp_Data as select * from emp where sal between 1000 and 2000 and mgr in(select empno from emp);
```

4. Create a view which restricts data access to a valid employee's own details on the Emp table and access time to office hours (09-17 and MON- SAT).

```
create view restrict as select * from emp where ename ='&ename' and TO_CHAR(sysdate,'hh24') between 9 and 17 and TO_CHAR(sysdate,'d') between 2 and 7;
Enter value for ename: TURNER
old   1: create view restrict as select * from emp where ename ='&ename' and TO_CHAR(sysdate,'hh24') between 9 and 17 and TO_CHAR(sysdate,'d') between 2 and 7
new   1: create view restrict as select * from emp where ename ='TURNER' and TO_CHAR(sysdate,'hh24') between 9 and 17 and TO_CHAR(sysdate,'d') between 2 and 7
```

5. Create a view EMPLOYEES from emp table which contains empno, ename, job, depy and validate the deptno. that must be in Dept table.

```
CREATE VIEW EMPLOYEES as select  empno,ename,job,deptno from emp where deptno in (select deptno from dept);
```

6. Create a READ only view EMP_READ from emp table which contains job, minsal, maxsal.

```
CREATE OR REPLACE VIEW EMP_READ AS SELECT job,min(sal) MINSAL, max(sal) MAXSAL from emp group by job with read only;
```

7. Table Client_master

Column_Name	Data type	Size	Attributes
Client_no	Varchar2	8	Primary Key
Name	Varchar2	20	Not Null
Address1	Varchar2	20	Not Null
Address2	Varchar2	20	
City	Varchar2	15	

Pincode	Varchar2	8	
Bal_due	Number	8,3	

A. Create a view vw_clent_master using Client_no,Name,Address1 and Bal_due

```
create view vw_client_master select client_no,name,address1,bal_due from client_master;
```

i. Insert at least 3 records to vw_client_master.

```
INSERT INTO VW_CLIENT_MASTER('C007' , 'ABCD' , '31-A' , 0);
```

ii. Update a record to vw_client_master.

```
UPDATE VW_CLIENT_MASTER SET BAL_DUE = 500 WHERE CLIENT_NO = 'C007';
```

iii. Delete a record from vw_client_master.

And check that the above operation if the base table is affected or not.

```
DELETE VW_CLIENT_MASTER WHERE CLIENT_NO = 'C007';
```

B. Create a view Vw_sales_det using Order_no,Order_date, Product_no, Qty_ordered, and order_status for all order which have already marked as 'Backorder' .(Using the tables sales_order,sales_order_details

```
Create view vw_sales_det select so.order_no,so.order_date,sod.product_no,sod.qty_ordered,so.order_status from sales_order so, sales_order_details sod where so.order_status = 'Backorder';
```

i. Insert a record to vw_sales_det.

```
INSERT INTO VW_sales_det('019032', 26-jan-97, 'p00032', 9, backorder);
```

ii. Update the client_no for a particular order_no

```
Update vw_sales_det
qty_ordered = 7 where
order_no = '019032';
```

iii. Delete a record.

```
Delete from vw_sales_det
where order_no ='019032';
```

iv. Remove the views from database.

```
Drop view vw-sales-det;
```