

ASSIGNMENT NO:- 06

Problem Statement:

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	
State	Varchar2	15	
Pincode	Varchar2	8	
Bal_due	Number	8,3	

1. Create a view vw_client_master using Client_no, Name, Address1 and Bal_due
 - a. Insert at least 3 records to vw_client_master.
 - b. Update a record to vw_client_master.
 - c. Delete a record from vw_client_master.

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

Source Code:

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

```
insert into vw_client_master values ('C007', 'Abhishek Singh', 'Bally', 15000);
```

```
insert into vw_client_master values ('C008', 'Dipali Das', 'Saltlake', 10000);
```

```
insert into vw_client_master values ('C009', 'Rupam Gupta', 'Howrah', 20000);
```

```
update vw_client_master set balance_due=8000 where client_no = 'C008';
```

```
delete from vw_client_master where client_no = 'C007';
```

```
select * from vw_client_master;
```

```
drop view vw_client_master;
```

Output:

```
SQL> create view vw_client_master as select client_no, name, address1, balance_due from client_master;
View created.
```

```
SQL> desc vw_client_master;
```

Name	Null?	Type
CLIENT_NO	NOT NULL	VARCHAR2(6)
NAME	NOT NULL	VARCHAR2(30)
ADDRESS1		VARCHAR2(30)
BALANCE_DUE		NUMBER(10,2)

```
SQL> select * from vw_client_master;
```

CLIENT	NAME	ADDRESS1	BALANCE_DUE
C001	Ivan Bayross	P-76	15000
C002	VandanaSatiwal	128	0
C003	PramadaJaguste	157	5000
C004	BasuNavindgi	A/12	0
C005	Ravi Sreedharan	B/34	3000
C006	Rukmini	Q-12	0
C867	Abhishek Singh	Bally	15000
C008	Dipali Das	Saltlake	10000
C899	Rupam Gupta	Howrah	20000

9 rows selected.

```
SQL> update vw_client_master set balance_due=8000 where client_no = 'C008';
```

1 row updated.

```
SQL> select * from vw_client_master;
```

CLIENT	NAME	ADDRESS1	BALANCE_DUE
C001	Ivan Bayross	P-76	15000
C002	VandanaSatiwal	128	0
C003	PramadaJaguste	157	5000
C004	BasuNavindgi	A/12	0
C005	Ravi Sreedharan	B/34	3000
C006	Rukmini	Q-12	0
C867	Abhishek Singh	Bally	15000
C008	Dipali Das	Saltlake	8000
C899	Rupam Gupta	Howrah	20000

9 rows selected.

```
SQL> delete from vw_client_master where client_no = 'C867';
```

1 row deleted.

```
SQL> select * from vw_client_master;
```

CLIENT	NAME	ADDRESS1	BALANCE_DUE
C001	Ivan Bayross	P-76	15000
C002	VandanaSatiwal	128	0
C003	PramadaJaguste	157	5000
C004	BasuNavindgi	A/12	0
C005	Ravi Sreedharan	B/34	3000
C006	Rukmini	Q-12	0
C008	Dipali Das	Saltlake	8000
C899	Rupam Gupta	Howrah	20000

8 rows selected.

Problem Statement:

2. Create a view Vw_sales_det using Client_no, 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).
 - a. Insert a record to vw_sales_det.
 - b. Update the client_no for a particular order_no.
 - c. Delete a record.
 - d. Remove the views from database.

Source Code:

2. create view Vw_sales_det as select s1.client_no, s1.order_no, s1.order_date, s2.product_no, s2.qty_ordered , s1.order_status from sales_order s1, sales_order_details s2 where s1.order_no = s2.order_no and order_status = 'Backorder';

2. a) insert into Vw_sales_det values('C007','O191251','12-jan-91','P00091',100,InProgress);
b) update Vw_sales_det set client_no = 'C007' where order_no = 'O19002';
c) delete from Vw_sales_det where client_no = 'C005';
d) drop view Vw_sales_det;

Output:

```
SQL> create view vw_sales_det as select s1.client_no, s1.order_no, s1.order_date, s2.qty_ordered, s1.order_status from sales_order s1 inner join sales_order_details s2 on s1.order_no = s2.order_no where s1.order_status = 'BackOrder';
```

View created.

```
SQL> desc vw_sales_det;
```

Name	Null?	Type
CLIENT_NO		VARCHAR2(6)
ORDER_NO	NOT NULL	VARCHAR2(6)
ORDER_DATE		DATE
QTY_ORDERED		NUMBER(8)
ORDER_STATUS		VARCHAR2(10)

```
SQL> insert into vw_sales_det values('C007', '019251', '12-Jan-91', 100, 'InProgress');
insert into vw_sales_det values('C007', '019251', '12-Jan-91', 100, 'InProgress')
```

*

ERROR at line 1:

ORA-01779: cannot modify a column which maps to a non key-preserved table

```
SQL> update vw_sales_det set client_no = 'C007' where order_no = '019002';
```

```
update vw_sales_det set client_no = 'C007' where order_no = '019002'
```

*

ERROR at line 1:

ORA-01779: cannot modify a column which maps to a non key-preserved table

```
SQL> delete from vw_sales_det where client_no = 'C002';
```

1 row deleted.

```
SQL> drop view vw_sales_det;
```

View dropped.

```
SQL> desc vw_sales_det;
```

ERROR:

ORA-04043: object vw_sales_det does not exist