

EXPERIMENT No-5

AIM:- Creating & deleting of views.

creation of views:-

Example :- Create a view on salesman - master table for sales - department.

```
CREATE VIEW vw-sales AS  
SELECT * FROM sales - master;
```


AIM :- Creating and deleting of views.

Introduction :- Views are used for reducing redundant data to minimum possible in Oracle. A view holds no data at all until a specific call to the view is made. This reduces redundant data on the HDD to a very large extent. The Oracle engine treats the view just as though it was a base table. Hence a view can be queried exactly as though it was a base table. Query on view will run slower because the view's definition has to be retrieved from Oracle's system catalogue, the base table has to be identified & opened in memory & then the view has to be constructed on the top of the base table, suitably masking table columns. Views are of two types.

(i) **Read only view :-** This view is used to only look at the table data and nothing else.

(ii) **Updating View :-** This view is used to look at the table data as well as insert, update & delete table data.

The reasons why views are created are :-

(i) When data security is required.

(ii) When data redundancy is to be kept to the minimum while maintaining data security.

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View :-

SAL NO	NAME	Address	phone	target	Salary

1) create view that contains all the attributes of table :-
example :- create view for client-master containing all attributes

```
CREATE VIEW vw-client AS  
SELECT * FROM client-master;
```

View :-

client no	Name	Address	phone	Bal-due

2) create view that contains selected columns of the table
example :- create view for client from client-master containing
name, client-no & bal-due

```
CREATE VIEW vw-client AS  
SELECT client-no, name, bal-due, FROM client-master;
```

View :-

client no	name	bal-due

3) create a view from client-master containing
client no, client-name, bal-due, & use name
as cl-name

```
CREATE VIEW vw-client AS  
SELECT client-no, name, cl-name, bal due FROM  
client-master;
```


* Creation of View

Syntax :- CREATE VIEW viewname as
SELECT column name, column name FROM Table;

i) Create view that contains all the attributes of the table

Syntax :- CREATE VIEW viewname AS
SELECT * FROM tablename;

2) Create view that contains selected columns of the table

Syntax :- CREATE VIEW viewname AS
SELECT col1, col2 FROM tablename;

~~Create the views that contains the columns with the name of columns changed i.e. - different column name,~~

Syntax :- CREATE VIEW viewname AS
SELECT old col name new col name, col2, col3
FROM tablename;

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View :-

client no	client - name	bal - due

Destroying a view :-

Drop a view name ~~VW - client~~

DROP VIEW ~~VW - client~~

Destroying a view

The DROP VIEW command is used to remove a view from database.

~~Syntax :- DROP VIEW viewname;~~

~~Ans to
19/11/20~~