

AIM

To study the various SQL view operations on the database.

1. CREATE VIEW command is used to define a view.
2. INSERT command is used to insert a new row into the view.
3. DELETE command is used to delete a row from the view.
4. UPDATE command is used to change a value in a tuple without changing all values in the tuple.
5. DROP command is used to drop the

view table **Commands Execution**

Creation Of Table

```
-----  
Sql> Create Table  
Employee (  
Employee_Name varchar  
2(10),  
Employee_No number(  
8), Dept_Name  
Varchar2(10),  
Dept_No Number  
(5), Date_Of_Join Date); Table  
Created.
```

Table Description

```
-----  
Sql> Desc  
Employee;  
Name Null?  
Type
```

```
-----  
Employee_Name  
Varchar2(10)  
Employee_No  
Number(8)  
Dept_Name  
Varchar2(10)  
Dept_No Number(5)  
Date_Of_Join Date
```

Syntax For Creation Of View

Sql> Create <View> <View Name> As Select
<Column_Name_1>, <Column_Name_2> From <Table
Name>; Creation Of View

Sql> Create View Empview As Select
Employee_Name,Employee_No,Dept_Name,Dept_No,Date_Of_J
oin From Employee;
View Created.

Description Of View

Sql> Desc
Empview;
Name Null?
Type

Employee_Name
Varchar2(10)
Employee_No
Number(8)
Dept_Name
Varchar2(10)
Dept_No Number(5)

Display View:

Sql> Select * From Empview;
Employee_N Employee_No Dept_Name Dept_No

Ravi 124 Ece 89
Vijay 345 Cse 21
Raj 98 It 22
Giri 100

Cse 67

Insertion

Into View

Insert Statement:

Syntax:

```

Sql> Insert Into <View_Name> (Column
Name1,.....) Values(Value1,...);
Sql> Insert Into Empview Values ('Sri', 120,'Cse', 67,'16-
Nov-1981'); 1 Row Created.
Sql> Select * From Empview;
Employee_N Employee_No Dept_Name Dept_No

```

```

-----
Ravi 124 Ece 89
Vijay 345 Cse 21
Raj 98 It 22
Giri 100 Cse 67
Sri 120 Cse 67
Sql> Select * From Employee;

```

```

-----
Employee_N Employee_No Dept_Name Dept_No Date_Of_J
Ravi 124 Ece 89 15-Jun-05
Vijay 345 Cse 21 21-Jun-06
Raj 98 It 22 30-Sep-06
Giri 100 Cse 67 14-Nov-81
Sri 120 Cse 67
16-Nov-81

```

Deletion Of

View:

Delete Statement:

Syntax:

```

Sql> Delete <View_Nmae>Where <Column Nmae>
='Value'; Sql> Delete From Empview Where
Employee_Name='Sri';
1 Row Deleted.

```

```

Sql> Select * From Empview;
Employee_N Employee_No Dept_Name Dept_No

```

```

-----
Ravi 124 Ece 89
Vijay 345 Cse 21
Raj 98 It 22
Giri 100
Cse 67

```

Update

Stateme

nt:

Syntax:

```

Aql>Update <View_Name> Set< Column Name> = <Column Name>
+<View> Where <Columnname>=Value;
Sql> Update Empkaviview Set

```

Employee_Name='Kavi' Where
Employee_Name='Ravi';
1 Row Updated.
Sql> Select * From Empkaviview;
Employee_N Employee_No Dept_Name Dept_No

Kavi 124 Ece 89

Vijay 345 Cse 21

Raj 98 It 22

Giri

100

Cse 67

Drop

A

View:

Syntax:

Sql> Drop View

<View_Name>

Example

Sql>Drop View Empview;

View Dropped

Create A View With Selected Fields:

Syntax:

Sql>Create [Or Replace] View <View Name>As Select

<Column Name1>.....From <Table Anme>;

Example-2:

Sql> Create Or Replace View Empl_View1 As Select Empno,

Ename, Salary From Empl;

Sql> Select * From

Empl_View1; Example-

3:

Sql> Create Or Replace View Empl_View2 As Select * From

Empl Where Deptno=10;

Sql> Select * From

Empl_View2; Note:

- Replace Is The Keyword To Avoid The Error “Ora_0095:Name Is Already Used By An Existing Object”.

Changing The Column(S) Name M The View During

As Select Statement:

Type-1:

```
Sql> Create Or Replace View Emp_Totsal(Eid,Name,Sal) As
Select Empno,Ename,Salary From Empl;
View Created.
Empno Ename Salary
```

```
-----
7369 Smith 1000
7499 Mark 1050
7565 Will 1500
7678 John 1800
7578 Tom 1500
7548 Turner 1500
```

```
6 Rows
Selecte
d.
```

```
View
Created.
```

```
Empno Ename Salary Mgrno Deptno
```

```
-----
7578 Tom 1500 7298 10
7548 Turner 1500 7298 10
```

```
View Created.
```

```
Sql> Select * From
Emp_Totsal; Type-2:
```

```
Sql> Create Or Replace View Emp_Totsal As Select Empno
"Eid",Ename "Name",Salary "Sal" From Empl;
```

```
Sql> Select * From
Emp_Totsal; Example
```

```
For Join View:
```

```
Type-3:
```

```
Sql> Create Or Replace View Dept_Emp As Select A.Empno
"Eid",A.Ename "Empname",A.Deptno "Dno",B.Dnam
E "D_Name",B.Loc "D_Loc" From Empl A,Depmt
B Where A.Deptno=B.Deptno;
```

```
Sql> Select * From
Dept_Emp; Eid Name
Sal
```

```
-----
7369 Smith 1000
7499 Mark 1050
7565 Will 1500
7678 John 1800
7578 Tom 1500
7548 Turner 1500
```

```
6 Rows
```

Selecte
d.
View
Created.
Eid Name Sal

7369 Smith 1000
7499 Mark 1050
7565 Will 1500
7678 John 1800
7578 Tom 1500
7548 Turner 1500

6 Rows
Selecte
d.

View
Created.

Eid Empname Dno D_Name D_Loc

7578 Tom 10 Account New York
7548 Turner 10 Account New York
7369 Smith 20 Sales Chicago
7678 John 20 Sales Chicago
7499 Mark 30 Research Zurich
7565 WILL 30 RESEARCH ZURICH

RESULT:

Thus the SQL views have been executed successfully.