

DBMS LAB-6

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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

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D:\ORACLE CLIENT 11.2 (2)\ORACLE CLIENT 11.2\instantclient_11_2\sqlplus.exe

SQL> Create Table Employee
2 (
3 Employee_Name var char(10),
4 Employee_No number(8),
5 Dept_Name Varchar2(10),
6 Dept_No Number (5),
7 Date_Of_Join Date
8 );

Table created.

SQL> Desc Employee;
Name Null? Type
-----
EMPLOYEE_NAMEVAR CHAR(10)
EMPLOYEE_NO NUMBER(8)
DEPT_NAME VARCHAR2(10)
DEPT_NO NUMBER(5)
DATE_OF_JOIN DATE

SQL>
```

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D:\ORACLE CLIENT 11.2 (2)\ORACLE CLIENT 11.2\instantclient_11_2\sqlplus.exe

SQL> Create View Empview As Select Employee_Namevar ,Employee_No,Dept_Name,Dept_No,Date_Of_Join From Employee;

View created.

SQL> Desc
Usage: DESCRIBE [schema.]object[ @db_link]
SQL> Empview;
SP2-0042: unknown command "Empview" - rest of line ignored.
SQL> Name Null?
SP2-0042: unknown command "Name Null?" - rest of line ignored.
SQL> Desc Empview;
Name Null? Type
-----
EMPLOYEE_NAMEVAR CHAR(10)
EMPLOYEE_NO NUMBER(8)
DEPT_NAME VARCHAR2(10)
DEPT_NO NUMBER(5)
DATE_OF_JOIN DATE

SQL>
```

```
D:\ORACLE CLIENT 11.2 (2)\ORACLE CLIENT 11.2\instantclient_11_2\sqlplus.exe
1 row created.

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 DATE_OF_J
-----
Sri          120 Cse          67 16-NOV-81
Sri          120 Cse          67 16-NOV-81

SQL>

D:\ORACLE CLIENT 11.2 (2)\ORACLE CLIENT 11.2\instantclient_11_2\sqlplus.exe
1 row created.

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 DATE_OF_J
-----
Sri          120 Cse          67 16-NOV-81
Sri          120 Cse          67 16-NOV-81

SQL> Delete From Empview Where Employee_Name='Sri';
Delete From Empview Where Employee_Name='Sri'
*
ERROR at line 1:
ORA-00904: "EMPLOYEE_NAME": invalid identifier

SQL> Delete From Empview Where Employee_No='Sri';
Delete From Empview Where Employee_No='Sri'
*
ERROR at line 1:
ORA-00904: "EMPLOYEE_N": invalid identifier

SQL> Delete From Empview Where EMPLOYEE_No='Sri';
Delete From Empview Where EMPLOYEE_No='Sri'
*
ERROR at line 1:
ORA-00904: "EMPLOYEE_N": invalid identifier

SQL> Delete From Empview Where EMPLOYEE_NO=120;

2 rows deleted.

SQL>
```

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D:\ORACLE CLIENT 11.2 (2)\ORACLE CLIENT 11.2\instantclient_11.2\sqlplus.exe
SQL> Select * From Empview;

no rows selected

SQL> Insert Into Empview Values ('Sri', 120,'Cse', 67,'16- Nov-1981');

1 row created.

SQL> Update Empkaviview Set Employee_Name='Kavi' Where Employee_Name='Ravi';
Update Empkaviview Set Employee_Name='Kavi' Where Employee_Name='Ravi'
*
ERROR at line 1:
ORA-00942: table or view does not exist

SQL> Update Empview Set Employee_Name='Kavi' Where Employee_Name='Ravi';
Update Empview Set Employee_Name='Kavi' Where Employee_Name='Ravi'
*
ERROR at line 1:
ORA-00904: "EMPLOYEE_NAME": invalid identifier

SQL> Update Empview Set EMPLOYEE_N='Kavi' Where EMPLOYEE_N='Ravi';
Update Empview Set EMPLOYEE_N='Kavi' Where EMPLOYEE_N='Ravi'
*
ERROR at line 1:
ORA-00904: "EMPLOYEE_N": invalid identifier

SQL> Update Empview Set EMPLOYEE_NO=120 Where EMPLOYEE_NO=100;

0 rows updated.

SQL> Select * From Empview;

EMPLOYEE_N EMPLOYEE_NO DEPT_NAME DEPT_NO DATE_OF_J
-----
Sri          120 Cse          67 16-NOV-81

SQL> Update Empview Set EMPLOYEE_NO=100 Where EMPLOYEE_NO=120;

1 row updated.

SQL> Select * From Empview;

EMPLOYEE_N EMPLOYEE_NO DEPT_NAME DEPT_NO DATE_OF_J
-----
Sri          100 Cse          67 16-NOV-81

SQL>
```

RESULT: Thus the SQL views have been executed successfully.