

## Spool File For Oracle Students Trained by Mr.Sathish Yellanki

---

SQL> cl scr

```
SQL> CREATE OR REPLACE VIEW InsertDept
2  (
3    DeptID,
4    DeptName,
5    Place
6  )
7  AS
8  SELECT
9    Deptno,
10   Dname,
11   Loc
12  FROM Dept;
```

View created.

SQL> DESC Dept

Name	Null?	Type
DEPTNO	NOT NULL	NUMBER(2)
DNAME		VARCHAR2(14)
LOC		VARCHAR2(13)

SQL> DESC InsertDept

Name	Null?	Type
DEPTID	NOT NULL	NUMBER(2)
DEPTNAME		VARCHAR2(14)
PLACE		VARCHAR2(13)

SQL> SELECT \* FROM Dept;

DEPTNO
10
ACCOUNTING
NEW YORK
20
RESEARCH
DALLAS

---

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---

30  
SALES  
CHICAGO

40  
OPERATIONS  
BOSTON

```
SQL> SET LINESIZE 120
SQL> R
1* SELECT * FROM Dept
```

DEPTNO	DNAME	LOC
10	ACCOUNTING	NEW YORK
20	RESEARCH	DALLAS
30	SALES	CHICAGO
40	OPERATIONS	BOSTON

```
SQL> SELECT * FROM InsertDept;
```

DEPTID	DEPTNAME	PLACE
10	ACCOUNTING	NEW YORK
20	RESEARCH	DALLAS
30	SALES	CHICAGO
40	OPERATIONS	BOSTON

```
SQL> INSERT INTO
2 InsertDept(DeptID, DeptName, Place)
3 VALUES(50, 'ADMINISTRATION', 'DELHI');
```

1 row created.

```
SQL> SELECT * FROM Dept;
```

DEPTNO	DNAME	LOC
10	ACCOUNTING	NEW YORK
20	RESEARCH	DALLAS
30	SALES	CHICAGO
40	OPERATIONS	BOSTON
50	ADMINISTRATION	DELHI

```
SQL> ROLLBACK;
```

---

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Rollback complete.

SQL> cl scr

```
SQL> CREATE OR REPLACE VIEW EDept30
  2 AS
  3 SELECT *
  4 FROM Emp
  5 WHERE Deptno = 30;
```

View created.

SQL> SELECT \* FROM EDept30;

COMM	EMPNO	ENAME	JOB	MGR	HIREDATE	SAL
		DEPTNO				
	7698	BLAKE	MANAGER	7839	01-MAY-81	2850
30	7654	MARTIN	SALESMAN	7698	28-SEP-81	1250
1400	30					
	7499	ALLEN	SALESMAN	7698	20-FEB-81	1600
300	30					
	7844	TURNER	SALESMAN	7698	08-SEP-81	1500
0	30					
	7900	JAMES	CLERK	7698	03-DEC-81	950
30						
	7521	WARD	SALESMAN	7698	22-FEB-81	1250
500	30					

6 rows selected.

SQL> SELECT \* FROM EDept30 WHERE Ename = 'JAMES';

COMM	EMPNO	ENAME	JOB	MGR	HIREDATE	SAL
		DEPTNO				
	7900	JAMES	CLERK	7698	03-DEC-81	950
30						

SQL> SELECT \* FROM EDept30 WHERE Ename = 'JONES';

no rows selected

SQL> UPDATE EDept30

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```
2 SET Sal = Sal + 1000
3 WHERE Ename = 'JAMES';
```

1 row updated.

```
SQL> SELECT * FROM EDept30 WHERE Ename = 'JAMES';
```

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL
7900	JAMES	CLERK	7698	03-DEC-81	1950

```
SQL> UPDATE EDept30
2 SET Sal = Sal + 1000
3 WHERE Ename = 'JONES';
```

0 rows updated.

```
SQL> DELETE FROM EDept30
2 WHERE Ename = 'JONES';
```

0 rows deleted.

```
SQL> DELETE FROM EDept30
2 WHERE Ename = 'JAMES';
```

1 row deleted.

```
SQL> SELECT * FROM EDept30 WHERE Ename = 'JAMES';
```

no rows selected

```
SQL> INSERT INTO EDept30
2 (EMPNO, ENAME, JOB, MGR, HIREDATE, SAL, COMM, DEPTNO)
3 VALUES
4 (7935, 'RAKESH', 'CLERK', 7698, SYSDATE, 2500, NULL, 30);
```

1 row created.

```
SQL> INSERT INTO EDept30
2 (EMPNO, ENAME, JOB, MGR, HIREDATE, SAL, COMM, DEPTNO)
3 VALUES
4 (7936, 'RAJU', 'CLERK', 7698, SYSDATE, 2500, NULL, 20);
```

1 row created.

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---

SQL> ROLLBACK;

Rollback complete.

```
SQL> CREATE OR REPLACE VIEW EDept30
  2  AS
  3  SELECT *
  4  FROM Emp
  5  WHERE Deptno = 30
  6  WITH CHECK OPTION;
```

View created.

```
SQL> INSERT INTO EDept30
  2  (EMPNO, ENAME, JOB, MGR, HIREDATE, SAL, COMM, DEPTNO)
  3  VALUES
  4  (7935, 'RAKESH', 'CLERK', 7698, SYSDATE, 2500, NULL, 30);
```

1 row created.

```
SQL> INSERT INTO EDept30
  2  (EMPNO, ENAME, JOB, MGR, HIREDATE, SAL, COMM, DEPTNO)
  3  VALUES
  4  (7936, 'RAJU', 'CLERK', 7698, SYSDATE, 2500, NULL, 20);
INSERT INTO EDept30
      *
```

ERROR at line 1:

ORA-01402: view WITH CHECK OPTION where-clause violation

SQL> ROLLBACK;

Rollback complete.

```
SQL> CREATE OR REPLACE VIEW EDept30
  2  AS
  3  SELECT *
  4  FROM Emp
  5  WHERE Deptno = 30
  6  WITH READ ONLY;
```

View created.

```
SQL> SELECT * FROM EDept30;
```

---

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```
-----
      EMPNO ENAME      JOB              MGR HIREDATE          SAL
COMM      DEPTNO
-----
30      7698 BLAKE      MANAGER              7839 01-MAY-81        2850
1400     7654 MARTIN     SALESMAN              7698 28-SEP-81        1250
      30
300     7499 ALLEN      SALESMAN              7698 20-FEB-81        1600
      30
0       7844 TURNER     SALESMAN              7698 08-SEP-81        1500
      30
30      7900 JAMES      CLERK                 7698 03-DEC-81         950
500     7521 WARD        SALESMAN              7698 22-FEB-81        1250
      30
```

6 rows selected.

```
SQL> UPDATE EDept30
      2  SET Sal = Sal + 1000
      3  WHERE Ename = 'JAMES';
SET Sal = Sal + 1000
      *
```

ERROR at line 2:

ORA-42399: cannot perform a DML operation on a read-only view

```
SQL> DELETE FROM EDept30
      2  WHERE Ename = 'JAMES';
DELETE FROM EDept30
      *
```

ERROR at line 1:

ORA-42399: cannot perform a DML operation on a read-only view

```
SQL> INSERT INTO EDept30
      2  (EMPNO, ENAME, JOB, MGR, HIREDATE, SAL, COMM, DEPTNO)
      3  VALUES
      4  (7935, 'RAKESH', 'CLERK', 7698, SYSDATE, 2500, NULL, 30);
(EMPNO, ENAME, JOB, MGR, HIREDATE, SAL, COMM, DEPTNO)
      *
```

ERROR at line 2:

ORA-42399: cannot perform a DML operation on a read-only view

```
SQL> cl scr
```

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---

SQL> ROLLBACK;

Rollback complete.

SQL> cl scr

```
SQL> CREATE TABLE MyMaster
  2  (
  3    MastID          NUMBER(2)
  4    CONSTRAINT MastIDPK PRIMARY KEY,
  5    MastName        VARCHAR2(10)
  6    CONSTRAINT MastNameCHK
  7    CHECK(MastName = UPPER(MastName)),
  8    MastDate        DATE
  9    CONSTRAINT MastDateNN NOT NULL
 10 );
```

Table created.

SQL> DESC MyMaster

Name	Null?
Type	
-----	-----
MASTID	NOT
NULL NUMBER(2)	
MASTNAME	
VARCHAR2(10)	
MASTDATE	NOT
NULL DATE	

```
SQL> INSERT INTO
  2  MyMaster(MastID, MastName, MastDate)
  3  VALUES(10, 'MASTER10', '10-OCT-07');
```

1 row created.

```
SQL> INSERT INTO
  2  MyMaster(MastID, MastName, MastDate)
  3  VALUES(11, 'MASTER11', '11-OCT-07');
```

1 row created.

```
SQL> INSERT INTO
  2  MyMaster(MastID, MastName, MastDate)
  3  VALUES(12, 'MASTER12', '12-OCT-07');
```

---

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---

1 row created.

```
SQL> INSERT INTO
  2 MyMaster(MastID, MastName, MastDate)
  3 VALUES(13, 'Master13', '11-OCT-07');
INSERT INTO
*
ERROR at line 1:
ORA-02290: check constraint (SCOTT.MASTNAMECHK) violated
```

```
SQL> INSERT INTO
  2 MyMaster(MastID, MastName, MastDate)
  3 VALUES(12, 'MASTER12', '12-OCT-07');
INSERT INTO
*
ERROR at line 1:
ORA-00001: unique constraint (SCOTT.MASTIDPK) violated
```

```
SQL> ROLLBACK;
```

Rollback complete.

```
SQL> cl scr
```

```
SQL> CREATE TABLE MyMasterDF
  2 (
  3 MastID NUMBER(2)
  4 CONSTRAINT MastIDDFPK PRIMARY KEY
  5 INITIALLY DEFERRED DEFERRABLE,
  6 MastName VARCHAR2(10)
  7 CONSTRAINT MastNameDFCHK
  8 CHECK(MastName = UPPER(MastName))
  9 INITIALLY DEFERRED DEFERRABLE,
  10 MastDate DATE
  11 CONSTRAINT MastDateDFNN NOT NULL
  12 INITIALLY DEFERRED DEFERRABLE
  13 );
```

Table created.

```
SQL> DESC MyMasterDF
Name Null?
Type
```

---

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---

-----  
-----  
MASTID  
NUMBER(2)  
MASTNAME  
VARCHAR2(10)  
MASTDATE  
DATE

```
SQL> INSERT INTO
  2 MyMasterDF(MastID, MastName, MastDate)
  3 VALUES(10, 'MASTER10', '10-OCT-07');
```

1 row created.

```
SQL> INSERT INTO
  2 MyMasterDF(MastID, MastName, MastDate)
  3 VALUES(11, 'MASTER11', '11-OCT-07');
```

1 row created.

```
SQL> INSERT INTO
  2 MyMasterDF(MastID, MastName, MastDate)
  3 VALUES(12, 'MASTER12', '12-OCT-07');
```

1 row created.

```
SQL> INSERT INTO
  2 MyMasterDF(MastID, MastName, MastDate)
  3 VALUES(13, 'Master13', '11-OCT-07');
```

1 row created.

```
SQL> INSERT INTO
  2 MyMasterDF(MastID, MastName, MastDate)
  3 VALUES(12, 'MASTER12', '12-OCT-07');
```

1 row created.

```
SQL> COMMIT;
COMMIT
*
```

ERROR at line 1:

ORA-02091: transaction rolled back

ORA-02290: check constraint (SCOTT.MASTNAMEDFCHK) violated

---

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---

```
SQL> SELECT * FROM MyMasterDF;
```

no rows selected

```
SQL> INSERT INTO
  2 MyMasterDF(MastID, MastName, MastDate)
  3 VALUES(10, 'MASTER10', '10-OCT-07');
```

1 row created.

```
SQL> INSERT INTO
  2 MyMasterDF(MastID, MastName, MastDate)
  3 VALUES(11, 'MASTER11', '11-OCT-07');
```

1 row created.

```
SQL> INSERT INTO
  2 MyMasterDF(MastID, MastName, MastDate)
  3 VALUES(12, 'MASTER12', '12-OCT-07');
```

1 row created.

```
SQL> COMMIT;
```

Commit complete.

```
SQL> SPPOOL OFF
```

---

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