

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

SQL> cl scr

SQL> SELECT Ename, Deptno, Job, Sal  
2 FROM Emp;

ENAME	DEPTNO	JOB	SAL
KING	10	PRESIDENT	5000
BLAKE	30	MANAGER	2850
CLARK	10	MANAGER	2450
JONES	20	MANAGER	2975
MARTIN	30	SALESMAN	1250
ALLEN	30	SALESMAN	1600
TURNER	30	SALESMAN	1500
JAMES	30	CLERK	950
WARD	30	SALESMAN	1250
FORD	20	ANALYST	3000
SMITH	20	CLERK	800
SCOTT	20	ANALYST	3000
ADAMS	20	CLERK	1100
MILLER	10	CLERK	1300

14 rows selected.

SQL> SELECT \* FROM MyBonus;

EMPNO	BONUS
7654	225
7499	260
7844	250
7521	225
7698	285
7900	95

6 rows selected.

SQL> SELECT Ename, Deptno, Job, Sal  
2 FROM Emp  
3 WHERE Deptno = 30;

ENAME	DEPTNO	JOB	SAL
BLAKE	30	MANAGER	2850
MARTIN	30	SALESMAN	1250
ALLEN	30	SALESMAN	1600
TURNER	30	SALESMAN	1500

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```
JAMES          30 CLERK          950
WARD           30 SALESMAN       1250
```

6 rows selected.

```
SQL> INSERT INTO Emp(Empno, Ename, Deptno, Job, Sal) VALUES(7935,
'SURESH', 30, 'SALESMAN', 3750);
```

1 row created.

```
SQL> INSERT INTO Emp(Empno, Ename, Deptno, Job, Sal) VALUES(7936,
'SUKESH', 30, 'SALESMAN', 4250);
```

1 row created.

```
SQL> INSERT INTO Emp(Empno, Ename, Deptno, Job, Sal) VALUES(7937,
'RAKESH', 30, 'SALESMAN', 3850);
```

1 row created.

```
SQL> INSERT INTO Emp(Empno, Ename, Deptno, Job, Sal) VALUES(7938,
'RUPESH', 30, 'SALESMAN', 4150);
```

1 row created.

```
SQL> SELECT Empno, Ename FROM Emp WHERE Empni IN(SELECT Empno FROM
MyBonus);
SELECT Empno, Ename FROM Emp WHERE Empni IN(SELECT Empno FROM MyBonus)
*
```

ERROR at line 1:  
ORA-00904: "EMPNI": invalid identifier

```
SQL> ED
Wrote file afiedt.buf
```

```
1* SELECT Empno, Ename FROM Emp WHERE Empno IN(SELECT Empno FROM
MyBonus)
SQL> /
```

```
EMPNO ENAME
-----
7654 MARTIN
7499 ALLEN
7844 TURNER
7521 WARD
7698 BLAKE
```

---

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---

7900 JAMES

6 rows selected.

```
SQL> SELECT Empno, Ename, Sal FROM Emp WHERE Empno IN(SELECT Empno FROM MyBonus);
```

EMPNO	ENAME	SAL
7654	MARTIN	1250
7499	ALLEN	1600
7844	TURNER	1500
7521	WARD	1250
7698	BLAKE	2850
7900	JAMES	950

6 rows selected.

```
SQL> UPDATE Emp
2 SET Sal = Sal + 2000
3 WHERE Ename = 'BLAKE';
```

1 row updated.

```
SQL> UPDATE Emp
2 SET Sal = Sal + 2800
3 WHERE Ename = 'ALLEN';
```

1 row updated.

```
SQL> SELECT Empno, Ename, Sal FROM Emp WHERE Empno IN(SELECT Empno FROM MyBonus);
```

EMPNO	ENAME	SAL
7654	MARTIN	1250
7499	ALLEN	4400
7844	TURNER	1500
7521	WARD	1250
7698	BLAKE	4850
7900	JAMES	950

6 rows selected.

```
SQL> SELECT * FROM MyBonus;
```

EMPNO	BONUS
-------	-------

---

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7654	225
7499	260
7844	250
7521	225
7698	285
7900	95

6 rows selected.

```
SQL> MERGE INTO MyBonus B
2 USING
3 (
4 SELECT Empno, Sal, Deptno
5 FROM Emp
6 WHERE Deptno = 30
7 ) S
8 ON
9 (
10 S.Empno = B.Empno
11 )
12 WHEN MATCHED THEN
13 UPDATE
14 SET B.Bonus = B.Bonus + S.Sal * 0.1
15 DELETE
16 WHERE (S.Sal > 4000)
17 WHEN NOT MATCHED THEN
18 INSERT(B.Empno, B.Bonus)
19 VALUES(S.Empno, S.Sal * 0.1)
20 WHERE(S.Sal <= 4000);
```

8 rows merged.

```
SQL> SELECT * FROM MyBonus;
```

EMPNO	BONUS
7654	350
7844	400
7521	350
7900	190
7935	375
7937	385

6 rows selected.

```
SQL> cl scr
```

---

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SQL> ROLLBACK;

Rollback complete.

SQL> cl scr

```
SQL> CREATE TABLE ExamTimeTable
2  (
3    ExamName VARCHAR2(30),
4    ExamTime  VARCHAR2(12),
5    CONSTRAINT ExamNamePK PRIMARY KEY(ExamName)
6  );
```

Table created.

SQL> SELECT \* FROM ExamTimeTable;

no rows selected

```
SQL> INSERT INTO ExamTimeTable
2  VALUES ('PHYSICAL SCIENCES' , '9:00 AM');
```

1 row created.

SQL> SELECT \* FROM ExamTimeTable;

EXAMNAME	EXAMTIME
PHYSICAL SCIENCES	9:00 AM

```
SQL> MERGE INTO ExamTimeTable E1
2  USING ExamTimeTable E2
3  ON
4  (
5    E2.ExamName = E1.ExamName AND
6    E1.ExamName = 'PHYSICAL SCIENCES'
7  )
8  WHEN MATCHED THEN
9  UPDATE
10 SET E1.ExamTime = '10:30 AM'
11 WHEN NOT MATCHED THEN
12 INSERT(E1.ExamName, E1.ExamTime)
13 VALUES('PHYSICAL SCIENCES' , '10:30 AM');
```

1 row merged.

---

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SQL> SELECT \* FROM ExamTimeTable;

EXAMNAME	EXAMTIME
PHYSICAL SCIENCES	10:30 AM

```
SQL> MERGE INTO ExamTimeTable E1
  2 USING ExamTimeTable E2
  3 ON
  4 (
  5   E2.ExamName = E1.ExamName AND
  6   E1.ExamName = 'CHEMICAL SCIENCES'
  7 )
  8 WHEN MATCHED THEN
  9   UPDATE SET E1.ExamTime = '12:30 PM'
 10 WHEN NOT MATCHED THEN
 11   INSERT(E1.ExamName, E1.ExamTime )
 12   VALUES('CHEMICAL SCIENCES' , '12:30 PM');
```

1 row merged.

SQL> SELECT \* FROM ExamTimeTable;

EXAMNAME	EXAMTIME
PHYSICAL SCIENCES	10:30 AM
CHEMICAL SCIENCES	12:30 PM

SQL> cl scr

SQL> ROLLBACK;

Rollback complete.

SQL> cl scr

SQL> SELECT \* FROM Emp;

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL
7839	KING	PRESIDENT		17-NOV-81	5000
7698	BLAKE	MANAGER	7839	01-MAY-81	2850

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```

10      7782 CLARK      MANAGER      7839 09-JUN-81      2450
20      7566 JONES      MANAGER      7839 02-APR-81      2975
30      7654 MARTIN     SALESMAN     7698 28-SEP-81      1250
1400      30
300      7499 ALLEN      SALESMAN     7698 20-FEB-81      1600
0        30
30      7844 TURNER     SALESMAN     7698 08-SEP-81      1500
30      7900 JAMES      CLERK        7698 03-DEC-81      950
500      7521 WARD      SALESMAN     7698 22-FEB-81      1250
20      7902 FORD      ANALYST      7566 03-DEC-81      3000
20      7369 SMITH      CLERK        7902 17-DEC-80      800
20      7788 SCOTT      ANALYST      7566 09-DEC-82      3000
20      7876 ADAMS      CLERK        7788 12-JAN-83      1100
10      7934 MILLER     CLERK        7782 23-JAN-82      1300

```

14 rows selected.

SQL> DELETE FROM Emp;

14 rows deleted.

SQL> SELECT \* FROM Emp;

no rows selected

SQL> ROLLBACK;

Rollback complete.

SQL> SELECT \* FROM Emp;

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL
7839	KING	PRESIDENT		17-NOV-81	5000

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```

30      7698 BLAKE      MANAGER      7839 01-MAY-81      2850
10      7782 CLARK      MANAGER      7839 09-JUN-81      2450
20      7566 JONES      MANAGER      7839 02-APR-81      2975
1400    7654 MARTIN     SALESMAN     7698 28-SEP-81      1250
300     30
300     7499 ALLEN      SALESMAN     7698 20-FEB-81      1600
0       30
0       7844 TURNER     SALESMAN     7698 08-SEP-81      1500
30      7900 JAMES      CLERK        7698 03-DEC-81      950
500     7521 WARD       SALESMAN     7698 22-FEB-81      1250
20      7902 FORD       ANALYST      7566 03-DEC-81      3000
20      7369 SMITH      CLERK        7902 17-DEC-80      800
20      7788 SCOTT      ANALYST      7566 09-DEC-82      3000
20      7876 ADAMS      CLERK        7788 12-JAN-83      1100
20      7934 MILLER     CLERK        7782 23-JAN-82      1300
10

```

14 rows selected.

```

SQL> DELETE FROM Emp
      2 WHERE Deptno = 30;

```

6 rows deleted.

```

SQL> SELECT * FROM Emp;

```

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL
7839	KING	PRESIDENT		17-NOV-81	5000
7782	CLARK	MANAGER	7839	09-JUN-81	2450
7566	JONES	MANAGER	7839	02-APR-81	2975

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```
.....
      7902 FORD          ANALYST          7566 03-DEC-81          3000
20
      7369 SMITH         CLERK           7902 17-DEC-80           800
20
      7788 SCOTT         ANALYST          7566 09-DEC-82          3000
20
      7876 ADAMS         CLERK           7788 12-JAN-83          1100
20
      7934 MILLER        CLERK           7782 23-JAN-82          1300
10
```

8 rows selected.

SQL> ROLLBACK;

Rollback complete.

SQL> DELETE FROM Emp  
2 WHERE Deptno = 10;  
DELETE FROM Emp  
\*

ERROR at line 1:

ORA-02292: integrity constraint (SCOTT.EMP\_SELF\_KEY) violated - child  
record found

SQL> DELETE FROM Dept  
2 WHERE Deptno = 40;

1 row deleted.

SQL> DELETE FROM Dept  
2 WHERE Deptno = 30;  
DELETE FROM Dept  
\*

ERROR at line 1:

ORA-02292: integrity constraint (SCOTT.EMP\_FOREIGN\_KEY) violated - child  
record found

SQL> cl scr

SQL> ROLLBACK;

Rollback complete.

SQL> DELETE FROM Emp

-----  
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```
2  WHERE Ename = 'TURNER';

1 row deleted.

SQL> DELETE FROM Emp
2  WHERE Ename = 'JONE';

0 rows deleted.

SQL> DELETE FROM Emp
2  WHERE Ename = 'JONES';
DELETE FROM Emp
*
ERROR at line 1:
ORA-02292: integrity constraint (SCOTT.EMP_SELF_KEY) violated - child
record found

SQL> ROLLBACK;

Rollback complete.

SQL> cl scr

SQL> ROLLBACK;

Rollback complete.

SQL> cl scr

SQL> DELETE FROM Emp
2  WHERE Deptno =
3  (
4  SELECT Deptno
5  FROM Dept
6  WHERE Dname = 'SALES'
7  );

6 rows deleted.

SQL> ED
Wrote file afiedt.buf

1  SELECT * FROM Emp
2  WHERE Deptno =
3  (
4  SELECT Deptno
```

---

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```
5  FROM Dept
6  WHERE Dname = 'SALES'
7* )
SQL> /
```

no rows selected

```
SQL> cl scr
```

```
SQL> ROLLBACK;
```

Rollback complete.

```
SQL> cl scr
```

```
SQL> SPOOL OFF
```

---

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