

Spool File For Oracle Students Trained by Mr.Sathish Yellanki

SQL> cl scr

SQL> DESC Dept

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

SQL> INSERT INTO Dept
2 VALUES(NULL, 'SHIPPING', 'CHENNAI');
VALUES(NULL, 'SHIPPING', 'CHENNAI')
*

ERROR at line 2:

ORA-01400: cannot insert NULL into ("SCOTT"."DEPT"."DEPTNO")

SQL> INSERT INTO Dept
2 VALUES(50, NULL, 'CHENNAI');

1 row created.

SQL> ROLLBACK;

Rollback complete.

SQL> cl scr

SQL> DESC Emp

Name	Null?	Type
EMPNO	NOT NULL	NUMBER(4)
ENAME		VARCHAR2(10)
JOB		VARCHAR2(9)
MGR		NUMBER(4)
HIREDATE		DATE
SAL		NUMBER(7,2)
COMM		NUMBER(7,2)
DEPTNO	NOT NULL	NUMBER(2)

SQL> INSERT INTO Dept
2 VALUES(50, 'SHIPPING', 'CHENNAI');

1 row created.

SQL> INSERT INTO Dept
2 VALUES(40, 'CARGO', 'DELHI');
INSERT INTO Dept

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*

ERROR at line 1:

ORA-00001: unique constraint (SCOTT.DEPT_PRIMARY_KEY) violated

```
SQL> INSERT INTO Dept
  2  VALUES(60, 'SHIPPING', 'MUMBAI');
```

1 row created.

```
SQL> ROLLBACK;
```

Rollback complete.

```
SQL> cl scr
```

```
SQL> DESC Dept
```

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

```
SQL> SELECT --An SQL Statement For Recognizing The Data Retrieval, And
Columns To Be Projected
```

```
  2  * --A Symbol OR Token To Project All The Columns in The
Table(PROJECTION Operator)
```

```
  3  FROM --A Clause That Identifies The Physical OR Logical Data Source
  4  Dept --The Name of The Data Source From Which The Data Has To Be
Retrieved
```

```
  5  /
```

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

```
SQL> DESC SalGrade
```

Name	Null?	Type
GRADE		NUMBER
LOSAL		NUMBER
HISAL		NUMBER

```
SQL> SELECT *
```

```
  2  FROM SalGrade;
```

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GRADE	LOSAL	HISAL
1	700	1200
2	1201	1400
3	1401	2000
4	2001	3000
5	3001	9999

SQL> DESC Emp

Name	Null?	Type
EMPNO	NOT NULL	NUMBER(4)
ENAME		VARCHAR2(10)
JOB		VARCHAR2(9)
MGR		NUMBER(4)
HIREDATE		DATE
SAL		NUMBER(7,2)
COMM		NUMBER(7,2)
DEPTNO	NOT NULL	NUMBER(2)

SQL> SELECT *
2 FROM Emp;

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL
7839	KING	PRESIDENT		17-NOV-81	5000
10					
7698	BLAKE	MANAGER	7839	01-MAY-81	2850
30					
7782	CLARK	MANAGER	7839	09-JUN-81	2450
10					
EMPNO	ENAME	JOB	MGR	HIREDATE	SAL
7566	JONES	MANAGER	7839	02-APR-81	2975
20					

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1400 7654 MARTIN SALESMAN 7698 28-SEP-81 1250
30

300 7499 ALLEN SALESMAN 7698 20-FEB-81 1600
30

EMPNO ENAME JOB MGR HIREDATE SAL
COMM

DEPTNO

0 7844 TURNER SALESMAN 7698 08-SEP-81 1500
30

7900 JAMES CLERK 7698 03-DEC-81 950
30

500 7521 WARD SALESMAN 7698 22-FEB-81 1250
30

EMPNO ENAME JOB MGR HIREDATE SAL
COMM

DEPTNO

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

EMPNO ENAME JOB MGR HIREDATE SAL
COMM

DEPTNO

7876 ADAMS CLERK 7788 12-JAN-83 1100

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20

7934 MILLER CLERK 7782 23-JAN-82 1300
10

14 rows selected.

SQL> COLUMN DEPTNO FORMAT 99

SQL> SELECT * FROM Emp;

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL
-------	-------	-----	-----	----------	-----

COMM

DEPTNO

7839	KING	PRESIDENT		17-NOV-81	5000
------	------	-----------	--	-----------	------

10

7698	BLAKE	MANAGER	7839	01-MAY-81	2850
------	-------	---------	------	-----------	------

30

7782	CLARK	MANAGER	7839	09-JUN-81	2450
------	-------	---------	------	-----------	------

10

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL
-------	-------	-----	-----	----------	-----

COMM

DEPTNO

7566	JONES	MANAGER	7839	02-APR-81	2975
------	-------	---------	------	-----------	------

20

7654	MARTIN	SALESMAN	7698	28-SEP-81	1250
------	--------	----------	------	-----------	------

1400

30

7499	ALLEN	SALESMAN	7698	20-FEB-81	1600
------	-------	----------	------	-----------	------

300

30

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL
-------	-------	-----	-----	----------	-----

COMM

DEPTNO

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```
-----
0      7844 TURNER      SALESMAN      7698 08-SEP-81      1500
```

```
30
```

```
      7900 JAMES      CLERK      7698 03-DEC-81      950
```

```
30
```

```
500    7521 WARD      SALESMAN      7698 22-FEB-81      1250
```

```
30
```

```
      EMPNO ENAME      JOB      MGR HIREDATE      SAL
COMM
```

```
-----
-
DEPTNO
-----
```

```
      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
```

```
      EMPNO ENAME      JOB      MGR HIREDATE      SAL
COMM
```

```
-----
-
DEPTNO
-----
```

```
      7876 ADAMS      CLERK      7788 12-JAN-83      1100
```

```
20
```

```
      7934 MILLER      CLERK      7782 23-JAN-82      1300
```

```
10
```

```
14 rows selected.
```

```
SQL> COL EMPNO FOR 9999
```

```
SQL> SELECT * FROM Emp;
```

```
EMPNO ENAME      JOB      MGR HIREDATE      SAL      COMM
DEPTNO
```

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```
-----
---
 7839 KING          PRESIDENT          17-NOV-81          5000
10
 7698 BLAKE         MANAGER           7839 01-MAY-81          2850
30
 7782 CLARK         MANAGER           7839 09-JUN-81          2450
10
 7566 JONES         MANAGER           7839 02-APR-81          2975
20
 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
 7902 FORD          ANALYST          7566 03-DEC-81          3000
20
 7369 SMITH         CLERK            7902 17-DEC-80           800
20
```

```
EMPNO ENAME      JOB      MGR HIREDATE      SAL      COMM
DEPTNO
```

```
-----
---
 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> SET LINESIZE 120
SQL> SET PAGESIZE 20
SQL> SELECT * FROM Emp;
```

```
EMPNO ENAME      JOB      MGR HIREDATE      SAL      COMM
DEPTNO
```

```
-----
---
 7839 KING          PRESIDENT          17-NOV-81          5000
10
 7698 BLAKE         MANAGER           7839 01-MAY-81          2850
30
```

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```
7782 CLARK      MANAGER      7839 09-JUN-81      2450
10
7566 JONES      MANAGER      7839 02-APR-81      2975
20
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
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> SPOOL OFF

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