

Spool File For Oracle Students Trained by Mr.Sathish Yellanki

SQL> cl scr

```
SQL> CREATE TABLE SampleUNQ01
  2  (
  3    SampID NUMBER(2)
  4    CONSTRAINT SampleUNQ01_SampID_UNQ UNIQUE,
  5    SampName VARCHAR2(10),
  6    SampDate DATE
  7  );
```

Table created.

SQL> DESC SampleUNQ01

Name	Null?
------	-------

Type

SAMPID	
NUMBER(2)	
SAMPNAME	
VARCHAR2(10)	
SAMPDATE	
DATE	

```
SQL> INSERT INTO SampleUNQ01
  2  VALUES(1, 'SAMPLE01', SYSDATE);
```

1 row created.

```
SQL> INSERT INTO SampleUNQ01
  2  VALUES(1, 'SAMPLE02', SYSDATE);
```

```
INSERT INTO SampleUNQ01
```

*

ERROR at line 1:

ORA-00001: unique constraint (SCOTT.SAMPLEUNQ01_SAMPID_UNQ) violated

```
SQL> INSERT INTO SampleUNQ01
  2  VALUES(2, 'SAMPLE02', SYSDATE);
```

1 row created.

```
SQL> SELECT * FROM SampleUNQ01;
```

SAMPID	SAMPNAME	SAMPDATE
1	SAMPLE01	14-APR-15

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2 SAMPLE02 14-APR-15

```
SQL> INSERT INTO SampleUNQ01
2 VALUES(NULL, 'SAMPLE03', SYSDATE);
```

1 row created.

```
SQL> SELECT * FROM SampleUNQ01;
```

SAMPID	SAMPNAME	SAMPDATE
1	SAMPLE01	14-APR-15
2	SAMPLE02	14-APR-15
	SAMPLE03	14-APR-15

```
SQL> INSERT INTO SampleUNQ01
2 VALUES(NULL, 'SAMPLE04', SYSDATE);
```

1 row created.

```
SQL> SELECT * FROM SampleUNQ01;
```

SAMPID	SAMPNAME	SAMPDATE
1	SAMPLE01	14-APR-15
2	SAMPLE02	14-APR-15
	SAMPLE03	14-APR-15
	SAMPLE04	14-APR-15

```
SQL> ED
```

Wrote file afiedt.buf

```
1 CREATE TABLE SampleUNQ02
2 (
3 SampID NUMBER(2)
4 CONSTRAINT SampleUNQ02_SampID_UNQ UNIQUE,
5 SampName VARCHAR2(10)
6 CONSTRAINT SampleUNQ02_SampName_UNQ UNIQUE,
7 SampDate DATE
8* )
```

```
SQL> /
```

Table created.

```
SQL> INSERT INTO SampleUNQ02
2 VALUES(1, 'SAMPLE01', SYSDATE);
```

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1 row created.

```
SQL> INSERT INTO SampleUNQ02
      2 VALUES(1, 'SAMPLE02', SYSDATE);
INSERT INTO SampleUNQ02
*
```

ERROR at line 1:

ORA-00001: unique constraint (SCOTT.SAMPLEUNQ02_SAMPID_UNQ) violated

```
SQL> INSERT INTO SampleUNQ02
      2 VALUES(2, 'SAMPLE01', SYSDATE);
INSERT INTO SampleUNQ02
*
```

ERROR at line 1:

ORA-00001: unique constraint (SCOTT.SAMPLEUNQ02_SAMPNAME_UNQ) violated

```
SQL> INSERT INTO SampleUNQ02
      2 VALUES(2, 'SAMPLE02', SYSDATE);
```

1 row created.

```
SQL> INSERT INTO SampleUNQ02
      2 VALUES(NULL, 'SAMPLE03', SYSDATE);
```

1 row created.

```
SQL> INSERT INTO SampleUNQ02
      2 VALUES(NULL, 'SAMPLE04', SYSDATE);
```

1 row created.

```
SQL> INSERT INTO SampleUNQ02
      2 VALUES(3, NULL, SYSDATE);
```

1 row created.

```
SQL> INSERT INTO SampleUNQ02
      2 VALUES(4, NULL, SYSDATE);
```

1 row created.

```
SQL> INSERT INTO SampleUNQ02
      2 VALUES(NULL, NULL, SYSDATE);
```

1 row created.

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```
SQL> INSERT INTO SampleUNQ02
  2 VALUES(NULL, NULL, SYSDATE);
```

1 row created.

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

```
 1 CREATE TABLE SampleUNQ03
 2 (
 3   SampID NUMBER(2),
 4   SampName VARCHAR2(10)
 5   CONSTRAINT SampleUNQ03_SampName_UNQ UNIQUE,
 6   SampDate DATE,
 7   CONSTRAINT SampleUNQ03_SampID_UNQ
 8   UNIQUE(SampID)
 9* )
SQL> /
```

Table created.

```
SQL> CREATE TABLE SampleCUNQ01
 2 (
 3   SampID NUMBER(2),
 4   SampName VARCHAR2(10),
 5   SampDate DATE,
 6   CONSTRAINT SampleCUNQ01_SampIDName_CUNQ
 7   UNIQUE(SampID, SampName)
 8 );
```

Table created.

```
SQL> INSERT INTO SampleCUNQ01
  2 VALUES(1, 'SAMPLE01', SYSDATE);
```

1 row created.

```
SQL> INSERT INTO SampleCUNQ01
  2 VALUES(1, 'SAMPLE02', SYSDATE);
```

1 row created.

```
SQL> INSERT INTO SampleCUNQ01
  2 VALUES(1, 'SAMPLE02', SYSDATE);
INSERT INTO SampleCUNQ01
*
```

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ERROR at line 1:

ORA-00001: unique constraint (SCOTT.SAMPLECUNQ01_SAMPIDNAME_CUNQ)
violated

```
SQL> INSERT INTO SampleCUNQ01
      2 VALUES(2, 'SAMPLE02', SYSDATE);
```

1 row created.

```
SQL> SELECT * FROM SampleCUNQ01;
```

SAMPID	SAMPNAME	SAMPDATE
1	SAMPLE01	14-APR-15
1	SAMPLE02	14-APR-15
2	SAMPLE02	14-APR-15

```
SQL> INSERT INTO SampleCUNQ01
      2 VALUES(NULL, 'SAMPLE03', SYSDATE);
```

1 row created.

```
SQL> INSERT INTO SampleCUNQ01
      2 VALUES(NULL, 'SAMPLE03', SYSDATE);
```

```
INSERT INTO SampleCUNQ01
*
```

ERROR at line 1:

ORA-00001: unique constraint (SCOTT.SAMPLECUNQ01_SAMPIDNAME_CUNQ)
violated

```
SQL> INSERT INTO SampleCUNQ01
      2 VALUES(NULL, 'SAMPLE04', SYSDATE);
```

1 row created.

```
SQL> SELECT * FROM SampleCUNQ01;
```

SAMPID	SAMPNAME	SAMPDATE
1	SAMPLE01	14-APR-15
1	SAMPLE02	14-APR-15
2	SAMPLE02	14-APR-15
	SAMPLE03	14-APR-15
	SAMPLE04	14-APR-15

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```
SQL> INSERT INTO SampleCUNQ01
      2 VALUES(3, NULL, SYSDATE);
```

1 row created.

```
SQL> INSERT INTO SampleCUNQ01
      2 VALUES(4, NULL, SYSDATE);
```

1 row created.

```
SQL> INSERT INTO SampleCUNQ01
      2 VALUES(4, NULL, SYSDATE);
INSERT INTO SampleCUNQ01
*
```

ERROR at line 1:

ORA-00001: unique constraint (SCOTT.SAMPLECUNQ01_SAMPIDNAME_CUNQ)
violated

```
SQL> SELECT * FROM SampleCUNQ01;
```

SAMPID	SAMPNAME	SAMPDATE
1	SAMPLE01	14-APR-15
1	SAMPLE02	14-APR-15
2	SAMPLE02	14-APR-15
	SAMPLE03	14-APR-15
	SAMPLE04	14-APR-15
3		14-APR-15
4		14-APR-15

7 rows selected.

```
SQL> INSERT INTO SampleCUNQ01
      2 VALUES(NULL, NULL, SYSDATE);
```

1 row created.

```
SQL> INSERT INTO SampleCUNQ01
      2 VALUES(NULL, NULL, SYSDATE);
```

1 row created.

```
SQL> SELECT * FROM SampleCUNQ01;
```

SAMPID	SAMPNAME	SAMPDATE
--------	----------	----------

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```
1 SAMPLE01 14-APR-15
1 SAMPLE02 14-APR-15
2 SAMPLE02 14-APR-15
SAMPLE03 14-APR-15
SAMPLE04 14-APR-15
3 14-APR-15
4 14-APR-15
14-APR-15
14-APR-15
```

9 rows selected.

SQL> cl scr

```
SQL> CREATE TABLE SamplePK01
2 (
3 SampID NUMBER(2)
4 CONSTRAINT SamplePK01_SampID_PK PRIMARY KEY,
5 SampName VARCHAR2(10),
6 SampDate DATE
7 );
```

Table created.

```
SQL> DESC SamplePK01
Name Null?
Type
-----
SAMPID NOT
NULL NUMBER(2)
SAMPNAME
VARCHAR2(10)
SAMPDATE
DATE
```

```
SQL> INSERT INTO SamplePK01
2 VALUES(1, 'SAMPLE01', SYSDATE);
```

1 row created.

```
SQL> INSERT INTO SamplePK01
2 VALUES(2, 'SAMPLE02', SYSDATE);
```

1 row created.

```
SQL> INSERT INTO SamplePK01
```

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```
2 VALUES(2, 'SAMPLE03', SYSDATE);
INSERT INTO SamplePK01
*
ERROR at line 1:
ORA-00001: unique constraint (SCOTT.SAMPLEPK01_SAMPID_PK) violated
```

```
SQL> INSERT INTO SamplePK01
2 VALUES(NULL, 'SAMPLE03', SYSDATE);
VALUES(NULL, 'SAMPLE03', SYSDATE)
*
ERROR at line 2:
ORA-01400: cannot insert NULL into ("SCOTT"."SAMPLEPK01"."SAMPID")
```

```
SQL> INSERT INTO SamplePK01
2 VALUES(3, 'SAMPLE03', SYSDATE);
```

1 row created.

```
SQL> SELECT * FROM SamplePK01;
```

SAMPID	SAMPNAME	SAMPDATE
1	SAMPLE01	14-APR-15
2	SAMPLE02	14-APR-15
3	SAMPLE03	14-APR-15

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

```
1 CREATE TABLE SamplePK02
2 (
3 SampID NUMBER(2),
4 SampName VARCHAR2(10),
5 SampDate DATE,
6 CONSTRAINT SamplePK02_SampID_PK
7 PRIMARY KEY(SampID)
8*)
```

```
SQL> /
```

Table created.

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

```
1 CREATE TABLE SamplePK03
```

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```
2  (
3    SampID NUMBER(2),
4    SampName VARCHAR2(10)
5    CONSTRAINT SamplePK03_SampName_PK PRIMARY KEY,
6    SampDate DATE,
7    CONSTRAINT SamplePK03_SampID_PK
8    PRIMARY KEY(SampID)
9* )
SQL> /
PRIMARY KEY(SampID)
*
```

ERROR at line 8:

ORA-02260: table can have only one primary key

SQL> ED

Wrote file afiedt.buf

```
1  CREATE TABLE SamplePK03
2  (
3    SampID NUMBER(2),
4    SampName VARCHAR2(10)
5    CONSTRAINT SamplePK03_SampName_NN NOT NULL
6    CONSTRAINT SamplePK03_SampName_UNQ UNIQUE,
7    SampDate DATE,
8    CONSTRAINT SamplePK03_SampID_PK
9    PRIMARY KEY(SampID)
10* )
SQL> /
```

Table created.

```
SQL> CREATE TABLE SampleCPK04
2  (
3    SampID NUMBER(2),
4    SampName VARCHAR2(10),
5    SampDate DATE,
6    CONSTRAINT SampleCPK04_SampIDName_CPK
7    PRIMARY KEY(SampID, SampName)
8  );
```

Table created.

```
SQL> INSERT INTO SampleCPK04
2  VALUES(1, 'SAMPLE01', SYSDATE);
```

1 row created.

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```
SQL> INSERT INTO SampleCPK04  
2 VALUES(1, 'SAMPLE02', SYSDATE);
```

1 row created.

```
SQL> INSERT INTO SampleCPK04  
2 VALUES(2, 'SAMPLE02', SYSDATE);
```

1 row created.

```
SQL> INSERT INTO SampleCPK04  
2 VALUES(NULL, 'SAMPLE03', SYSDATE);  
VALUES(NULL, 'SAMPLE03', SYSDATE)  
*
```

ERROR at line 2:

ORA-01400: cannot insert NULL into ("SCOTT"."SAMPLECPK04"."SAMPID")

```
SQL> SPOOL OFF
```

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