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**DBMS Practical 01**

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Roll NO: 54

Sec: A

Batch: A3

Sub: DBMS Lab

**---------------------------------------------------------------------------**

AIM: To implement the relational model and to understand the categorization of SQL statements. To establish an environment (based on a global schema) to execute simple SQL queries demonstrating enforcement of constraints.

SQL> create user RISHABH identified by rishabh;

create user RISHABH identified by rishabh

\*

ERROR at line 1:

ORA-01031: insufficient privileges

SQL> connect

Enter user-name: system/system

Connected.

SQL> create user RISHABH identified by RISHABH;

User created.

SQL> grant connect, resource to RISHABH

2 ;

Grant succeeded.

SQL> grant unlimited tablespace to RISHABH;

Grant succeeded.

SQL> grant dba to RISHABH;

Grant succeeded.

SQL> connect

Enter user-name: RISHABH/RISHABH

Connected.

SQL> SHOW USER

USER is "RISHABH"

SQL> CREATE TABLE COURSE(

2 CID NUMBER(3) NOT NULL,

3 CNAME VARCHAR2(30) NOT NULL,

4 CREDIT NUMBER(1) NOT NULL,

5 CONSTRAINT COURSE\_PK\_CID PRIMARY KEY (CID)

6 CONSTRAINT COURSE\_PK\_CID CHECK (CID BETWEEN 101 AND 149),

7 CONSTRAINT COURSE\_CK\_CREDIT CHECK ( CREDIT BETWEEN 1 AND 5),

8 CONSTRAINT COURSE\_UQ\_CNAME UNIQUE (CNAME)

9 );

CONSTRAINT COURSE\_PK\_CID CHECK (CID BETWEEN 101 AND 149),

\*

ERROR at line 6:

ORA-00907: missing right parenthesis

SQL> CREATE TABLE COURSE(

2 CID NUMBER(3) NOT NULL,

3 CNAME VARCHAR2(30) NOT NULL,

4 CREDIT NUMBER(1) ,

5 CONSTRAINT COURSE\_PK\_CID PRIMARY KEY (CID)

6 CONSTRAINT COURSE\_CK\_CID CHECK (CID BETWEEN 101 AND 149),

7 CONSTRAINT COURSE\_CK\_CREDIT CHECK (CREDIT BETWEEN 1 AND 5),

8 CONSTRAINT COURSE\_UQ\_CNAME UNIQUE (CNAME)

9 );

CONSTRAINT COURSE\_CK\_CID CHECK (CID BETWEEN 101 AND 149),

\*

ERROR at line 6:

ORA-00907: missing right parenthesis

SQL> CREATE TABLE COURSE(

2 CID NUMBER(3) NOT NULL,

3 CNAME VARCHAR2(30) NOT NULL,

4 CREDIT NUMBER(1) ,

5 CONSTRAINT COURSE\_PK\_CID PRIMARY KEY (CID),

6 CONSTRAINT COURSE\_CK\_CID CHECK (CID BETWEEN 101 AND 149),

7 CONSTRAINT COURSE\_CK\_CREDIT CHECK (CREDIT BETWEEN 1 AND 5),

8 CONSTRAINT COURSE\_UQ\_CNAME UNIQUE (CNAME)

9 );

Table created.

SQL> DESC COURSE

Name Null? Type

----------------------------------------- -------- ----------------------------

CID NOT NULL NUMBER(3)

CNAME NOT NULL VARCHAR2(30)

CREDIT NUMBER(1)

SQL> CREATE TABLE PARTICIPANT(

2 PID NUMBER(4) NOT NULL,

3 PNAME VARCHAR2(30) NOT NULL,

4 GENDER CHAR(1) NOT NULL ,

5 CID NUMBER(3),

6 CONSTRAINT PARTICIPANT\_PK\_CID PRIMARY KEY (PID),

7 CONSTRAINT PARTICIPANT\_CK\_CID CHECK (PID BETWEEN 1001 AND 9999),

8 CONSTRAINT PARTICIPANT\_CK\_GENDER CHECK (GENDER IN ('M','F')),

9 CONSTRAINT PARTICIPANT\_FK\_COURSE\_CID FOREIGN KEY

10 );

)

\*

ERROR at line 10:

ORA-00906: missing left parenthesis

SQL> CREATE TABLE PARTICIPANT(

2 PID NUMBER(4) NOT NULL,

3 PNAME VARCHAR2(30) NOT NULL,

4 GENDER CHAR(1) NOT NULL ,

5 CID NUMBER(3),

6 CONSTRAINT PARTICIPANT\_PK\_CID PRIMARY KEY (PID),

7 CONSTRAINT PARTICIPANT\_CK\_CID CHECK (PID BETWEEN 1001 AND 9999),

8 CONSTRAINT PARTICIPANT\_CK\_GENDER CHECK (GENDER IN ('M','F')),

9 CONSTRAINT PARTICIPANT\_FK\_COURSE\_CID FOREIGN KEY (CID) REFRENCES COURSE(CID)

10 );

CONSTRAINT PARTICIPANT\_FK\_COURSE\_CID FOREIGN KEY (CID) REFRENCES COURSE(CID)

\*

ERROR at line 9:

ORA-00905: missing keyword

SQL> CREATE TABLE PARTICIPANT(

2 PID NUMBER(4) NOT NULL,

3 PNAME VARCHAR2(30) NOT NULL,

4 GENDER CHAR(1) NOT NULL ,

5 CID NUMBER(3),

6 CONSTRAINT PARTICIPANT\_PK\_CID PRIMARY KEY (PID),

7 CONSTRAINT PARTICIPANT\_CK\_CID CHECK (PID BETWEEN 1001 AND 9999),

8 CONSTRAINT PARTICIPANT\_CK\_GENDER CHECK (GENDER IN ('M','F')),

9 CONSTRAINT PARTICIPANT\_FK\_COURSE\_CID FOREIGN KEY (CID) REFERENCES COURSE(CID)

10 );

Table created.

SQL> DESC PARTICIPANT

Name Null? Type

----------------------------------------- -------- ----------------------------

PID NOT NULL NUMBER(4)

PNAME NOT NULL VARCHAR2(30)

GENDER NOT NULL CHAR(1)

CID NUMBER(3)

SQL> INSERT INTO COURSE VALUES (&CID,'&CNAME',&CREDIT);

Enter value for cid: 101

Enter value for cname: DBMS

Enter value for credit: 3

old 1: INSERT INTO COURSE VALUES (&CID,'&CNAME',&CREDIT)

new 1: INSERT INTO COURSE VALUES (101,'DBMS',3)

1 row created.

SQL> /

Enter value for cid: 500

Enter value for cname: DAA

Enter value for credit: 7

old 1: INSERT INTO COURSE VALUES (&CID,'&CNAME',&CREDIT)

new 1: INSERT INTO COURSE VALUES (500,'DAA',7)

INSERT INTO COURSE VALUES (500,'DAA',7)

\*

ERROR at line 1:

ORA-02290: check constraint (MAITRI.COURSE\_CK\_CREDIT) violated

SQL> /

Enter value for cid: 5

Enter value for cname: DAA

Enter value for credit: 3

old 1: INSERT INTO COURSE VALUES (&CID,'&CNAME',&CREDIT)

new 1: INSERT INTO COURSE VALUES (5,'DAA',3)

INSERT INTO COURSE VALUES (5,'DAA',3)

\*

ERROR at line 1:

ORA-02290: check constraint (MAITRI.COURSE\_CK\_CID) violated

SQL> /

Enter value for cid: 102

Enter value for cname: DAA

Enter value for credit: 3

old 1: INSERT INTO COURSE VALUES (&CID,'&CNAME',&CREDIT)

new 1: INSERT INTO COURSE VALUES (102,'DAA',3)

1 row created.

SQL> /

Enter value for cid: 103

Enter value for cname: CG

Enter value for credit: 3

old 1: INSERT INTO COURSE VALUES (&CID,'&CNAME',&CREDIT)

new 1: INSERT INTO COURSE VALUES (103,'CG',3)

1 row created.

SQL> DESC COURSE

Name Null? Type

----------------------------------------- -------- ----------------------------

CID NOT NULL NUMBER(3)

CNAME NOT NULL VARCHAR2(30)

CREDIT NUMBER(1)

SQL> /

Enter value for cid: 104

Enter value for cname: DSA

Enter value for credit: 3

old 1: INSERT INTO COURSE VALUES (&CID,'&CNAME',&CREDIT)

new 1: INSERT INTO COURSE VALUES (104,'DSA',3)

1 row created.

SQL> /

Enter value for cid: 105

Enter value for cname: DP

Enter value for credit: 2

old 1: INSERT INTO COURSE VALUES (&CID,'&CNAME',&CREDIT)

new 1: INSERT INTO COURSE VALUES (105,'DP',2)

1 row created.

SQL> /

Enter value for cid: 106

Enter value for cname: MOOC

Enter value for credit: 3

old 1: INSERT INTO COURSE VALUES (&CID,'&CNAME',&CREDIT)

new 1: INSERT INTO COURSE VALUES (106,'MOOC',3)

1 row created.

SQL> SELECT \* FROM COURSE

2 ;

CID CNAME CREDIT

---------- ------------------------------ ----------

101 DBMS 3

102 DAA 3

103 CG 3

104 DSA 3

105 DP 2

106 MOOC 3

6 rows selected.

SQL> COMMIT;

Commit complete.

SQL> INSERT INTO PARTICIPANT(&CID,'&CNAME','&GENDER','CID');

Enter value for cid:

Enter value for cname:

Enter value for gender:

old 1: INSERT INTO PARTICIPANT(&CID,'&CNAME','&GENDER','CID')

new 1: INSERT INTO PARTICIPANT(,'','','CID')

INSERT INTO PARTICIPANT(,'','','CID')

\*

ERROR at line 1:

ORA-00928: missing SELECT keyword

SQL> INSERT INTO PARTICIPANT VALUES(&PID,'&PNAME','&GENDER',CID);

Enter value for pid: 1001

Enter value for pname: MAITRI

Enter value for gender: F

old 1: INSERT INTO PARTICIPANT VALUES(&PID,'&PNAME','&GENDER',CID)

new 1: INSERT INTO PARTICIPANT VALUES(1001,'MAITRI','F',CID)

INSERT INTO PARTICIPANT VALUES(1001,'MAITRI','F',CID)

\*

ERROR at line 1:

ORA-00984: column not allowed here

SQL> INSERT INTO PARTICIPANT VALUES(&PID,'&PNAME','&GENDER',&CID);

Enter value for pid: 1001

Enter value for pname: MAITRI

Enter value for gender: F

Enter value for cid: 101

old 1: INSERT INTO PARTICIPANT VALUES(&PID,'&PNAME','&GENDER',&CID)

new 1: INSERT INTO PARTICIPANT VALUES(1001,'MAITRI','F',101)

1 row created.

SQL> /

Enter value for pid: 1002

Enter value for pname: PRERNA

Enter value for gender: F

Enter value for cid: 102

old 1: INSERT INTO PARTICIPANT VALUES(&PID,'&PNAME','&GENDER',&CID)

new 1: INSERT INTO PARTICIPANT VALUES(1002,'PRERNA','F',102)

1 row created.

SQL> /

Enter value for pid: 1003

Enter value for pname: RISHABH

Enter value for gender: M

Enter value for cid: 103

old 1: INSERT INTO PARTICIPANT VALUES(&PID,'&PNAME','&GENDER',&CID)

new 1: INSERT INTO PARTICIPANT VALUES(1003,'RISHABH','M',103)

1 row created.

SQL> /

Enter value for pid: 1004

Enter value for pname: ANUSHKA

Enter value for gender: F

Enter value for cid: 104

old 1: INSERT INTO PARTICIPANT VALUES(&PID,'&PNAME','&GENDER',&CID)

new 1: INSERT INTO PARTICIPANT VALUES(1004,'ANUSHKA','F',104)

1 row created.

SQL> /

Enter value for pid: 1005

Enter value for pname: RAGINI

Enter value for gender: F

Enter value for cid: 105

old 1: INSERT INTO PARTICIPANT VALUES(&PID,'&PNAME','&GENDER',&CID)

new 1: INSERT INTO PARTICIPANT VALUES(1005,'RAGINI','F',105)

1 row created.

SQL> /

Enter value for pid: DAHI

Enter value for pname:

Enter value for gender:

Enter value for cid:

old 1: INSERT INTO PARTICIPANT VALUES(&PID,'&PNAME','&GENDER',&CID)

new 1: INSERT INTO PARTICIPANT VALUES(DAHI,'','',)

INSERT INTO PARTICIPANT VALUES(DAHI,'','',)

\*

ERROR at line 1:

ORA-00936: missing expression

SQL> /

Enter value for pid: 1006

Enter value for pname: DAHI

Enter value for gender: F

Enter value for cid: 106

old 1: INSERT INTO PARTICIPANT VALUES(&PID,'&PNAME','&GENDER',&CID)

new 1: INSERT INTO PARTICIPANT VALUES(1006,'DAHI','F',106)

1 row created.

SQL> SELECT \*FROM PARTICIPANT;

PID PNAME G CID

---------- ------------------------------ - ----------

1001 MAITRI F 101

1002 PRERNA F 102

1003 RISHABH M 103

1004 ANUSHKA F 104

1005 RAGINI F 105

1006 DAHI F 106

6 rows selected.

SQL> COMMIT

2 ;

Commit complete.

SQL> DESC USER\_CONSTRAINTS;

Name Null? Type

----------------------------------------- -------- ----------------------------

OWNER VARCHAR2(30)

CONSTRAINT\_NAME NOT NULL VARCHAR2(30)

CONSTRAINT\_TYPE VARCHAR2(1)

TABLE\_NAME NOT NULL VARCHAR2(30)

SEARCH\_CONDITION LONG

R\_OWNER VARCHAR2(30)

R\_CONSTRAINT\_NAME VARCHAR2(30)

DELETE\_RULE VARCHAR2(9)

STATUS VARCHAR2(8)

DEFERRABLE VARCHAR2(14)

DEFERRED VARCHAR2(9)

VALIDATED VARCHAR2(13)

GENERATED VARCHAR2(14)

BAD VARCHAR2(3)

RELY VARCHAR2(4)

LAST\_CHANGE DATE

INDEX\_OWNER VARCHAR2(30)

INDEX\_NAME VARCHAR2(30)

INVALID VARCHAR2(7)

VIEW\_RELATED VARCHAR2(14)

SQL> SELECT TABLE\_NAME,CONSTRAINT\_NAME,CONSTRAINT\_TYPE FROM USER\_CONSTRAINTS WHERE TABLE\_NAME='COURSE';

TABLE\_NAME CONSTRAINT\_NAME C

------------------------------ ------------------------------ -

COURSE SYS\_C0011053 C

COURSE SYS\_C0011054 C

COURSE COURSE\_CK\_CID C

COURSE COURSE\_CK\_CREDIT C

COURSE COURSE\_PK\_CID P

COURSE COURSE\_UQ\_CNAME U

6 rows selected.

SQL> SELECT TABLE\_NAME,CONSTRAINT\_NAME,CONSTRAINT\_TYPE FROM USER\_CONSTRAINTS WHERE TABLE\_NAME='PARTICIPANT';

TABLE\_NAME CONSTRAINT\_NAME C

------------------------------ ------------------------------ -

PARTICIPANT SYS\_C0011059 C

PARTICIPANT SYS\_C0011060 C

PARTICIPANT SYS\_C0011061 C

PARTICIPANT PARTICIPANT\_CK\_CID C

PARTICIPANT PARTICIPANT\_CK\_GENDER C

PARTICIPANT PARTICIPANT\_PK\_CID P

PARTICIPANT PARTICIPANT\_FK\_COURSE\_CID R

7 rows selected.

SQL> SPOOL OFF

SQL> select \* from TAB;

TNAME TABTYPE CLUSTERID

------------------------------ ------- ----------

COURSE TABLE

PARTICIPANT TABLE

SQL> select \* from PARTICIPANT;

PID PNAME G CID

---------- ------------------------------ - ----------

1001 MAITRI F 101

1002 PRERNA F 102

1003 RISHABH M 103

1004 ANUSHKA F 104

1005 RAGINI F 105

1006 DAHI F 106

6 rows selected.

SQL> select \* from PARTICIPANT WHERE GENDER='F';

PID PNAME G CID

---------- ------------------------------ - ----------

1001 MAITRI F 101

1002 PRERNA F 102

1004 ANUSHKA F 104

1005 RAGINI F 105

1006 DAHI F 106

SQL> select \* from PARTICIPANT WHERE GENDER='F' ORDER BY CID;

PID PNAME G CID

---------- ------------------------------ - ----------

1001 MAITRI F 101

1002 PRERNA F 102

1004 ANUSHKA F 104

1005 RAGINI F 105

1006 DAHI F 106

SQL> DELETE FROM COURSE WHERE CID=101;

DELETE FROM COURSE WHERE CID=101

\*

ERROR at line 1:

ORA-02292: integrity constraint (MAITRI.PARTICIPANT\_FK\_COURSE\_CID) violated -

child record found

SQL> DESC USER\_CONSTRAINTS;

Name Null? Type

----------------------------------------- -------- ----------------------------

OWNER VARCHAR2(30)

CONSTRAINT\_NAME NOT NULL VARCHAR2(30)

CONSTRAINT\_TYPE VARCHAR2(1)

TABLE\_NAME NOT NULL VARCHAR2(30)

SEARCH\_CONDITION LONG

R\_OWNER VARCHAR2(30)

R\_CONSTRAINT\_NAME VARCHAR2(30)

DELETE\_RULE VARCHAR2(9)

STATUS VARCHAR2(8)

DEFERRABLE VARCHAR2(14)

DEFERRED VARCHAR2(9)

VALIDATED VARCHAR2(13)

GENERATED VARCHAR2(14)

BAD VARCHAR2(3)

RELY VARCHAR2(4)

LAST\_CHANGE DATE

INDEX\_OWNER VARCHAR2(30)

INDEX\_NAME VARCHAR2(30)

INVALID VARCHAR2(7)

VIEW\_RELATED VARCHAR2(14)

SQL> SELECT TABLE\_NAME, CONSTRAINT\_NAME,

2 CONSTRAINT\_TYPE, DELETE\_RULE

3

SQL> FROM USER\_CONSTRAINTS

SP2-0734: unknown command beginning "FROM USER\_..." - rest of line ignored.

SQL> WHERE TABLE\_NAME IN ='PARTICIPANT');

SP2-0734: unknown command beginning "WHERE TABL..." - rest of line ignored.

SQL> SELECT TABLE\_NAME, CONSTRAINT\_NAME,CONSTRAINT\_TYPE, DELETE\_RULE FROM USER\_CONSTRAINTS WHERE TABLE\_NAME ='PARTICIPANT');

SELECT TABLE\_NAME, CONSTRAINT\_NAME,CONSTRAINT\_TYPE, DELETE\_RULE FROM USER\_CONSTRAINTS WHERE TABLE\_NAME ='PARTICIPANT')

\*

ERROR at line 1:

ORA-00933: SQL command not properly ended

SQL> SELECT TABLE\_NAME, CONSTRAINT\_NAME,CONSTRAINT\_TYPE, DELETE\_RULE FROM USER\_CONSTRAINTS WHERE TABLE\_NAME ='PARTICIPANT');

SELECT TABLE\_NAME, CONSTRAINT\_NAME,CONSTRAINT\_TYPE, DELETE\_RULE FROM USER\_CONSTRAINTS WHERE TABLE\_NAME ='PARTICIPANT')

\*

ERROR at line 1:

ORA-00933: SQL command not properly ended

SQL> SELECT TABLE\_NAME, CONSTRAINT\_NAME,

2 CONSTRAINT\_TYPE, DELETE\_RULE

3 FROM USER\_CONSTRAINTS

4 WHERE TABLE\_NAME IN ('COURSE','PARTICIPANT')

5 AND UPPER(CONSTRAINT\_NAME) LIKE '%\_FK\_%';

TABLE\_NAME CONSTRAINT\_NAME C DELETE\_RU

------------------------------ ------------------------------ - ---------

PARTICIPANT PARTICIPANT\_FK\_COURSE\_CID R NO ACTION

SQL> ALTER TABLE PARTICIPANT

2 DROP CONSTRAINT PARTICIPANT\_FK\_COURSE\_CID;

Table altered.

SQL> ADD CONSTRAINT PARTICIPANT\_FK\_COURSE\_CID

SP2-0734: unknown command beginning "ADD CONSTR..." - rest of line ignored.

SQL> FOREIGN KEY (CID) REFERENCES COURSE(CID)

SP2-0734: unknown command beginning "FOREIGN KE..." - rest of line ignored.

SQL> ADD CONSTRAINT PARTICIPANT\_FK\_COURSE\_CID FOREIGN KEY (CID) REFERENCES COURSE(CID) ON DELETE CASCADE;

SP2-0734: unknown command beginning "ADD CONSTR..." - rest of line ignored.

SQL> ALTER TABLE PARTICIPANT

2 ADD CONSTRAINT PARTICIPANT\_FK\_COURSE\_CID

3 FOREIGN KEY (CID) REFERENCES COURSE(CID)

4 ON DELETE CASCADE;

Table altered.

SQL> SELECT TABLE\_NAME, CONSTRAINT\_NAME,

2 CONSTRAINT\_TYPE, DELETE\_RULE

3

SQL> FROM USER\_CONSTRAINTS

SP2-0734: unknown command beginning "FROM USER\_..." - rest of line ignored.

SQL> WHERE CONSTRAINT\_NAME LIKE 'PARTICIPANT\_FK%';

SP2-0734: unknown command beginning "WHERE CONS..." - rest of line ignored.

SQL> SELECT TABLE\_NAME, CONSTRAINT\_NAME,CONSTRAINT\_TYPE, DELETE\_RULE FROM USER\_CONSTRAINTS WHERE CONSTRAINT\_NAME LIKE 'PARTICIPANT\_FK%';

TABLE\_NAME CONSTRAINT\_NAME C DELETE\_RU

------------------------------ ------------------------------ - ---------

PARTICIPANT PARTICIPANT\_FK\_COURSE\_CID R CASCADE

SQL> SELECT \* FROM PARTICIPANT;

PID PNAME G CID

---------- ------------------------------ - ----------

1001 MAITRI F 101

1002 PRERNA F 102

1003 RISHABH M 103

1004 ANUSHKA F 104

1005 RAGINI F 105

1006 DAHI F 106

6 rows selected.

SQL> SELECT \* FROM PARTICIPANT WHERE CID=101;

PID PNAME G CID

---------- ------------------------------ - ----------

1001 MAITRI F 101

SQL> DELETE FROM COURSE

2 WHERE CID = 101;

1 row deleted.

SQL> SELECT \* FROM PARTICIPANT

2 WHERE CID = 101;

no rows selected

SQL> ROLLBACK;

Rollback complete.

SQL> SELECT \* FROM PARTICIPANT

2 ;

PID PNAME G CID

---------- ------------------------------ - ----------

1001 MAITRI F 101

1002 PRERNA F 102

1003 RISHABH M 103

1004 ANUSHKA F 104

1005 RAGINI F 105

1006 DAHI F 106

6 rows selected.

SQL> SELECT TABLE\_NAME, CONSTRAINT\_NAME,

2 CONSTRAINT\_TYPE, DELETE\_RULE

3

SQL> FROM USER\_CONSTRAINTS

SP2-0734: unknown command beginning "FROM USER\_..." - rest of line ignored.

SQL> WHERE CONSTRAINT\_NAME LIKE 'PARTICIPANT\_FK%';

SP2-0734: unknown command beginning "WHERE CONS..." - rest of line ignored.

SQL> SELECT TABLE\_NAME, CONSTRAINT\_NAME,

2 CONSTRAINT\_TYPE, DELETE\_RULE FROM USER\_CONSTRAINTS

3 WHERE CONSTRAINT\_NAME LIKE 'PARTICIPANT\_FK%';

TABLE\_NAME CONSTRAINT\_NAME C DELETE\_RU

------------------------------ ------------------------------ - ---------

PARTICIPANT PARTICIPANT\_FK\_COURSE\_CID R CASCADE

SQL> ALTER TABLE PARTICIPANT

2 DROP CONSTRAINT PARTICIPANT\_FK\_COURSE\_CID;

Table altered.

SQL> ALTER TABLE PARTICIPANT

2 ADD CONSTRAINT PARTICIPANT\_FK\_COURSE\_CID

3 FOREIGN KEY (CID) REFERENCES COURSE(CID)

4 ON DELETE SET NULL;

Table altered.

SQL> SELECT TABLE\_NAME, CONSTRAINT\_NAME,

2 CONSTRAINT\_TYPE, DELETE\_RULE

3

SQL> FROM USER\_CONSTRAINTS

SP2-0734: unknown command beginning "FROM USER\_..." - rest of line ignored.

SQL> WHERE CONSTRAINT\_NAME LIKE 'PARTICIPANT\_FK%';

SP2-0734: unknown command beginning "WHERE CONS..." - rest of line ignored.

SQL> SELECT TABLE\_NAME, CONSTRAINT\_NAME,

2 CONSTRAINT\_TYPE, DELETE\_RULE

3 FROM USER\_CONSTRAINTS

4 WHERE CONSTRAINT\_NAME LIKE 'PARTICIPANT\_FK%';

TABLE\_NAME CONSTRAINT\_NAME C DELETE\_RU

------------------------------ ------------------------------ - ---------

PARTICIPANT PARTICIPANT\_FK\_COURSE\_CID R SET NULL

SQL> DELETE FROM COURSE

2 WHERE CID = 101;

1 row deleted.

SQL> SELECT \* FROM PARTICIPANT

2 WHERE CID = 101;

no rows selected

SQL> ROLLBACK;

Rollback complete.

SQL> SELECT \* FROM PARTICIPANT;

PID PNAME G CID

---------- ------------------------------ - ----------

1001 MAITRI F 101

1002 PRERNA F 102

1003 RISHABH M 103

1004 ANUSHKA F 104

1005 RAGINI F 105

1006 DAHI F 106

6 rows selected.

SQL> INSERT INTO PARTICIPANT VALUES(&PID,'&PNAME','&G',&CID);

Enter value for pid: 1007

Enter value for pname: SAHIL

Enter value for g: M

Enter value for cid: NULL

old 1: INSERT INTO PARTICIPANT VALUES(&PID,'&PNAME','&G',&CID)

new 1: INSERT INTO PARTICIPANT VALUES(1007,'SAHIL','M',NULL)

1 row created.

SQL> INSERT INTO PARTICIPANT VALUES(&PID,'&PNAME','&G',&CID);

Enter value for pid: 1008

Enter value for pname: VINAY

Enter value for g: M

Enter value for cid: NULL

old 1: INSERT INTO PARTICIPANT VALUES(&PID,'&PNAME','&G',&CID)

new 1: INSERT INTO PARTICIPANT VALUES(1008,'VINAY','M',NULL)

1 row created.

SQL> INSERT INTO PARTICIPANT VALUES(&PID,'&PNAME','&G',&CID);

Enter value for pid: 1009

Enter value for pname: ROZA

Enter value for g: F

Enter value for cid: 103

old 1: INSERT INTO PARTICIPANT VALUES(&PID,'&PNAME','&G',&CID)

new 1: INSERT INTO PARTICIPANT VALUES(1009,'ROZA','F',103)

1 row created.

SQL> /

Enter value for pid: 1010

Enter value for pname: RITIKA

Enter value for g: F

Enter value for cid: 104

old 1: INSERT INTO PARTICIPANT VALUES(&PID,'&PNAME','&G',&CID)

new 1: INSERT INTO PARTICIPANT VALUES(1010,'RITIKA','F',104)

1 row created.

SQL> SELECT \* FROM PARTICIPANT;

PID PNAME G CID

---------- ------------------------------ - ----------

1007 SAHIL M

1008 VINAY M

1009 ROZA F 103

1010 RITIKA F 104

1001 MAITRI F 101

1002 PRERNA F 102

1003 RISHABH M 103

1004 ANUSHKA F 104

1005 RAGINI F 105

1006 DAHI F 106

10 rows selected.

SQL> /

PID PNAME G CID

---------- ------------------------------ - ----------

1007 SAHIL M

1008 VINAY M

1009 ROZA F 103

1010 RITIKA F 104

1001 MAITRI F 101

1002 PRERNA F 102

1003 RISHABH M 103

1004 ANUSHKA F 104

1005 RAGINI F 105

1006 DAHI F 106

10 rows selected.

SQL> INSERT INTO PARTICIPANT VALUES(&PID,'&PNAME','&G',&CID);

Enter value for pid: 1011

Enter value for pname: AJAY

Enter value for g: M

Enter value for cid: NULL

old 1: INSERT INTO PARTICIPANT VALUES(&PID,'&PNAME','&G',&CID)

new 1: INSERT INTO PARTICIPANT VALUES(1011,'AJAY','M',NULL)

1 row created.

SQL> COMMIT;

Commit complete.

SQL> SPOOL OFF;