SQL\*Plus: Release 11.2.0.1.0 Production on Thu Sep 1 11:11:01 2022

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Enter user-name: SGM

Enter password:

Connected to:

Oracle Database 11g Enterprise Edition Release 11.2.0.1.0 - 64bit Production

With the Partitioning, OLAP, Data Mining and Real Application Testing options

SQL> CREATE TABLE COURSE(

2 CID NUMBER(3) NOT NULL,

3 CNAME VARCHAR(32) NOT NULL,

4

SQL> CREATE TABLE COURSE(

2 CID NUMBER(3) NOT NULL,

3 CNAME VARCHAR(32) NOT NULL,

4 CREDIT NUMNER(3),

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 )

10 );

CREDIT NUMNER(3),

\*

ERROR at line 4:

ORA-00907: missing right parenthesis

SQL> CREATE TABLE COURSE(

2 CID NUMBER(3) NOT NULL,

3 CNAME VARCHAR(32) NOT NULL,

4 CREDIT NUMBER(3),

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 );

)

\*

ERROR at line 9:

ORA-00904: : invalid identifier

SQL> CREATE TABLE COURSE(

2 CID NUMBER(3) NOT NULL,

3 CNAME VARCHAR(32) NOT NULL,

4 CREDIT NUMBER(3),

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

SQL> CREATE TABLE COURSE(

2 CID NUMBER(3) NOT NULL,

3 CNAME VARCHAR(32) NOT NULL,

4 CREDIT NUMBER(3),

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> SHOW COURSE

SP2-0158: unknown SHOW option "COURSE"

SQL> DESC COURSE

Name Null? Type

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

CID NOT NULL NUMBER(3)

CNAME NOT NULL VARCHAR2(32)

CREDIT NUMBER(3)

SQL> CREATE TABLE PARTICIPANT(

2 PID NUMBER(4) NOT NULL,

3 PNAME VARCHAR2(32) NOT NULL,

4 GENDER CHAR(1) NOT NULL,

5 CID NUMBER(3),

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

7 CONSTRAINT PARTICIPANT\_CK\_PID 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(32)

GENDER NOT NULL CHAR(1)

CID NUMBER(3)

SQL> INSERT INTO COURSE VALUES(101, 'SHANTANU', 3);

1 row created.

SQL> SELECT \* FROM COURSE;

CID CNAME CREDIT

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

101 SHANTANU 3

SQL> INSERT INTO COURSE VALUES(102, 'DSA', 3);

1 row created.

SQL> INSERT INTO COURSE VALUES(102, 'DSA', 3);

INSERT INTO COURSE VALUES(102, 'DSA', 3)

\*

ERROR at line 1:

ORA-00001: unique constraint (SGM.COURSE\_PK\_CID) violated

SQL> INSERT INTO COURSE VALUES(103, 'OOP', 4);

1 row created.

SQL> INSERT INTO COURSE VALUES(104, 'AI', 4);

1 row created.

SQL> INSERT INTO COURSE VALUES(105, 'ML', 3);

1 row created.

SQL> SELECT \* FROM COURSE;

CID CNAME CREDIT

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

101 SHANTANU 3

102 DSA 3

103 OOP 4

104 AI 4

105 ML 3

SQL> COMMIT

2 ;

Commit complete.

SQL> INSERT INTO COURSE VALUES(101, 'DBMS', 3);

INSERT INTO COURSE VALUES(101, 'DBMS', 3)

\*

ERROR at line 1:

ORA-00001: unique constraint (SGM.COURSE\_PK\_CID) violated

SQL> INSERT INTO PARTICIPANT VALUES (1001, 'SHANTANU', 'M', 101);

1 row created.

SQL> INSERT INTO PARTICIPANT VALUES (1002, 'MANE', 'M', 101);

1 row created.

SQL> INSERT INTO PARTICIPANT VALUES (1002, 'OJAS', 'M', 106);

INSERT INTO PARTICIPANT VALUES (1002, 'OJAS', 'M', 106)

\*

ERROR at line 1:

ORA-00001: unique constraint (SGM.PARTICIPANT\_PK\_PID) violated

SQL> INSERT INTO PARTICIPANT VALUES (1002, 'OJAS', 'M', 102);

INSERT INTO PARTICIPANT VALUES (1002, 'OJAS', 'M', 102)

\*

ERROR at line 1:

ORA-00001: unique constraint (SGM.PARTICIPANT\_PK\_PID) violated

SQL> SELECT \* FROM PARTICIPANT;

PID PNAME G CID

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

1001 SHANTANU M 101

1002 MANE M 101

SQL> INSERT INTO PARTICIPANT VALUES (1004, 'OJAS', 'M', 106);

INSERT INTO PARTICIPANT VALUES (1004, 'OJAS', 'M', 106)

\*

ERROR at line 1:

ORA-02291: integrity constraint (SGM.PARTICIPANT\_FK\_COURSE\_CID) violated -

parent key not found

SQL> SELECT \* FROM COURSE;

CID CNAME CREDIT

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

101 SHANTANU 3

102 DSA 3

103 OOP 4

104 AI 4

105 ML 3

SQL> SELECT \* FROM PARTICIPANT;

PID PNAME G CID

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

1001 SHANTANU M 101

1002 MANE M 101

SQL> INSERT INTO PARTICIPANT VALUES (1002, 'OJAS', 'M');

INSERT INTO PARTICIPANT VALUES (1002, 'OJAS', 'M')

\*

ERROR at line 1:

ORA-00947: not enough values

SQL> INSERT INTO PARTICIPANT VALUES (1002, 'OJAS', 'M', NULL);

INSERT INTO PARTICIPANT VALUES (1002, 'OJAS', 'M', NULL)

\*

ERROR at line 1:

ORA-00001: unique constraint (SGM.PARTICIPANT\_PK\_PID) violated

SQL> INSERT INTO PARTICIPANT VALUES (1004, 'OJAS', 'M', NULL);

1 row created.

SQL> COMMIT;

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 IN ('PARTCIPANT', 'COURSE');

TABLE\_NAME CONSTRAINT\_NAME C

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

COURSE SYS\_C0011066 C

COURSE SYS\_C0011067 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 = 'PARTCIPANT';

no rows selected

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

TABLE\_NAME CONSTRAINT\_NAME C

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

COURSE SYS\_C0011066 C

COURSE SYS\_C0011067 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 IN ('PARTCIPANT', 'COURSE');

TABLE\_NAME CONSTRAINT\_NAME C

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

COURSE SYS\_C0011066 C

COURSE SYS\_C0011067 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>