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COP4710 Database Systems

Pf. J. Teichert

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*EX1\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**A)**

SQL> CREATE TABLE Stu(sname VARCHAR2(10), majorcode VARCHAR2(2));

Table created.

SQL> CREATE TABLE Major(majorcode VARCHAR2(2), majordesc VARCHAR2(20));

Table created.

SQL> edit

Wrote file afiedt.buf

1 INSERT INTO Stu

2\* VALUES ('Jones', 'CS')

SQL> /

1 row created.

SQL> edit

Wrote file afiedt.buf

1 INSERT INTO Stu

2\* VALUES ('Smith', 'AC')

SQL> /

1 row created.

SQL> edit

Wrote file afiedt.buf

1 INSERT INTO Stu

2\* VALUES ('Evans', 'MA')

SQL> /

1 row created.

SQL> edit

Wrote file afiedt.buf

1 INSERT INTO Stu

2\* VALUES ('Adams', 'CS')

SQL> /

1 row created.

SQL> edit

Wrote file afiedt.buf

1 INSERT INTO Major

2\* VALUES ('AC', 'Accounting')

SQL> /

1 row created.

SQL> edit

Wrote file afiedt.buf

1 INSERT INTO Major

2\* VALUES ('CS', 'Computer Science')

SQL> /

1 row created.

SQL> edit

Wrote file afiedt.buf

1 INSERT INTO Major

2\* VALUES ('MA', 'Math')

SQL> /

1 row created.

**B)**

SQL> SELECT \*

2 FROM Stu, Major;

SNAME MAJORC MAJORC

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

MAJORDESC

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

Jones CS AC

Accounting

Smith AC AC

Accounting

Evans MA AC

Accounting

SNAME MAJORC MAJORC

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

MAJORDESC

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

Adams CS AC

Accounting

Jones CS CS

Computer Science

Smith AC CS

Computer Science

SNAME MAJORC MAJORC

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

MAJORDESC

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

Evans MA CS

Computer Science

Adams CS CS

Computer Science

Jones CS MA

Math

SNAME MAJORC MAJORC

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

MAJORDESC

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

Smith AC MA

Math

Evans MA MA

Math

Adams CS MA

Math

12 rows selected.

SQL> SELECT \*

2 FROM Stu, Major

3 WHERE Stu.majorcode = Major.majorcode;

SNAME MAJORC MAJORC

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

MAJORDESC

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

Jones CS CS

Computer Science

Smith AC AC

Accounting

Evans MA MA

Math

SNAME MAJORC MAJORC

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

MAJORDESC

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

Adams CS CS

Computer Science

SQL> SELECT \*

2 FROM Stu INNER JOIN Major

3 ON Stu.majorcode = Major.majorcode;

SNAME MAJORC MAJORC

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

MAJORDESC

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

Jones CS CS

Computer Science

Smith AC AC

Accounting

Evans MA MA

Math

SNAME MAJORC MAJORC

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

MAJORDESC

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

Adams CS CS

Computer Science

**C)**

SQL> SELECT \*

2 FROM Stu, Major

3 WHERE majorcode = majorcode;

WHERE majorcode = majorcode

\*

ERROR at line 3:

ORA-00918: column ambiguously defined

**D)**

1 SELECT COUNT(\*)

2 FROM Stu, Major

3\* WHERE Stu.majorcode = Major.majorcode

SQL> /

COUNT(\*)

----------

4

SQL> edit

Wrote file afiedt.buf

1 SELECT COUNT(\*)

2 FROM Stu, Major

3\* --WHERE Stu.majorcode = Major.majorcode

SQL> /

COUNT(\*)

----------

12

**E)**

SQL> INSERT INTO Major

2 VALUES ('IT', 'Information Technology');

1 row created.

SQL> edit

Wrote file afiedt.buf

1 INSERT INTO Major

2\* VALUES ('ST', 'Statistics')

SQL> /

1 row created.

SQL> SELECT Stu.sname, Major.majordesc

2 FROM Stu FULL OUTER JOIN Major

3 ON Stu.majorcode = Major.majorcode;

SNAME

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

MAJORDESC

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

Smith

Accounting

Adams

Computer Science

Jones

Computer Science

SNAME

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

MAJORDESC

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

Evans

Math

Information Technology

Statistics

6 rows selected.

1 SELECT Stu.sname, Major.majordesc

2 FROM Stu ,Major

3\* WHERE Stu.majorcode(+) = Major.majorcode

SQL> /

SNAME

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

MAJORDESC

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

Jones

Computer Science

Smith

Accounting

Evans

Math

SNAME

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

MAJORDESC

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

Adams

Computer Science

Information Technology

Statistics

6 rows selected.

**F)**

SQL> INSERT INTO Stu

2 VALUES ('Arpan', NULL);

1 row created.

SQL> edit

Wrote file afiedt.buf

1 INSERT INTO Stu

2\* VALUES ('Ayona', NULL)

SQL> /

1 row created.

SQL> edit

Wrote file afiedt.buf

1 SELECT s.sname, m.majordesc

2 FROM Stu s FULL OUTER JOIN Major m

3\* ON s.majorcode = m.majorcode

SQL> /

SNAME

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

MAJORDESC

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

Jones

Computer Science

Smith

Accounting

Evans

Math

SNAME

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

MAJORDESC

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

Adams

Computer Science

Arpan

Ayona

SNAME

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

MAJORDESC

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

Information Technology

Statistics

8 rows selected.

SQL> edit

Wrote file afiedt.buf

1 SELECT s.sname, m.majordesc

2 FROM Stu s, Major m

3\* WHERE s.majorcode(+) = m.majorcode

SQL> /

SNAME

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

MAJORDESC

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

Jones

Computer Science

Smith

Accounting

Evans

Math

SNAME

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

MAJORDESC

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

Adams

Computer Science

Information Technology

Statistics

6 rows selected.

**G)**

SQL> SELECT s.sname, m.majordesc

2 FROM Stu s FULL OUTER JOIN Major m

3 ON s.majorcode = m.majorcode;

SNAME

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

MAJORDESC

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

Jones

Computer Science

Smith

Accounting

Evans

Math

SNAME

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

MAJORDESC

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

Adams

Computer Science

Arpan

Ayona

SNAME

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

MAJORDESC

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

Information Technology

Statistics

8 rows selected.

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*EX2\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**A)**

SQL> CREATE TABLE T1(ename VARCHAR2(10), jobno NUMBER(3));

Table created.

SQL> edit

Wrote file afiedt.buf

1\* CREATE TABLE T2(jobno NUMBER(3), jobdesc VARCHAR2(20))

SQL> /

Table created.

SQL> edit

Wrote file afiedt.buf

1\* INSERT INTO T1 (ename, jobno) VALUES ('Roger', 100)

SQL> /

1 row created.

SQL> edit

Wrote file afiedt.buf

1\* INSERT INTO T1 (ename, jobno) VALUES ('Jose', 200)

SQL> /

1 row created.

SQL> edit

Wrote file afiedt.buf

1\* INSERT INTO T1 (ename, jobno) VALUES ('Jill', 300)

SQL> /

1 row created.

SQL> edit

Wrote file afiedt.buf

1\* INSERT INTO T2 (jobno, jobdesc) VALUES (100, 'Plumbing')

SQL> /

1 row created.

SQL> edit

Wrote file afiedt.buf

1\* INSERT INTO T2 (jobno, jobdesc) VALUES (200, 'Janitor')

SQL> /

1 row created.

SQL> SELECT COUNT(rownum)

2 FROM T1 INNER JOIN T2

3 ON T1.jobno = T2.jobno;

COUNT(ROWNUM)

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

2

**B)**

I expect to see the same result of two rows because there are still two different values in the table. The reason why we need different descriptions is that of all if the values are the same, only one will be stored in memory.

**C)**

I would expect the same value of 2 rows.

**D)**

I would expect six rows because it would cause a Cartesian Product because it would try to match all of the objects together.

**E)**

The number of rows in a join can vary from the length of the Cartesian Product M \* N (M and N are numbers of objects in each table) if the values being joined are all the same value in all of the objects. However, the usual size is the values M \* N where objects M and N have the same values for the attribute being joined.

**F)**

The number of rows in an equijoin of two tables whose sizes are M and N rows is from M \* N to 0 depending on these conditions; the values being compared are the same in the tables being compared, as in value in a row M is equal to a value in N.

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*EX3\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

SQL> CREATE TABLE T3 (jobdesc VARCHAR2(20), minpay NUMBER(6,2));

Table created.

SQL> edit

Wrote file afiedt.buf

1 INSERT INTO T3

2\* VALUES ('Janitor', 2.2)

SQL> /

1 row created.

SQL> edit

Wrote file afiedt.buf

1 INSERT INTO T3

2\* VALUES ('Plumbing', 2.2)

SQL> /

SQL> SELECT \*

2 FROM T1, T2, T3

3 WHERE T1.jobno = T2.jobno

4 AND T2.jobdesc = T3.jobdesc;

ENAME JOBNO JOBNO

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

JOBDESC

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

JOBDESC MINPAY

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

Roger 100 100

Plumbing

Plumbing 2.2

Jose 200 200

Janitor

Janitor 2.2

ENAME JOBNO JOBNO

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

JOBDESC

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

JOBDESC MINPAY

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

SQL> SELECT COUNT(\*)

2 FROM T1, T2, T3

3 WHERE T1.jobno = T2.jobno

4 AND T2.jobdesc = T3.jobdesc;

COUNT(\*)

----------

2

In an equi-join of N tables, you always have N - 1 equi-join condition in the WHERE clause.

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*EX4\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

SQL> edit

Wrote file afiedt.buf

1 SELECT COUNT(\*)

2\* FROM dict

SQL> /

COUNT(\*)

----------

835

SQL> DESC Dict;

Name Null? Type

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

TABLE\_NAME VARCHAR2(30)

COMMENTS VARCHAR2(4000)

SQL> edit

Wrote file afiedt.buf

1\* SELECT \* FROM Dict

SQL> /

TABLE\_NAME

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

COMMENTS

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

USER\_ADDM\_FDG\_BREAKDOWN

USER\_ADDM\_FINDINGS

USER\_ADDM\_INSTANCES

TABLE\_NAME

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

COMMENTS

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

USER\_ADDM\_TASKS

USER\_ADDM\_TASK\_DIRECTIVES

USER\_ADVISOR\_ACTIONS

TABLE\_NAME

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

COMMENTS

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

USER\_ADVISOR\_DIR\_TASK\_INST

USER\_ADVISOR\_EXECUTIONS

USER\_ADVISOR\_EXEC\_PARAMETERS

TABLE\_NAME

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

COMMENTS

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

USER\_ADVISOR\_FDG\_BREAKDOWN

USER\_ADVISOR\_FINDINGS

USER\_ADVISOR\_JOURNAL

TABLE\_NAME

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

COMMENTS

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

USER\_ADVISOR\_LOG

USER\_ADVISOR\_OBJECTS

USER\_ADVISOR\_PARAMETERS

SQL> edit

Wrote file afiedt.buf

1\* SELECT table\_name FROM User\_tables

SQL> /

TABLE\_NAME

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

CUST

MAJOR

STU

T1

T2

T3

6 rows selected.

SQL> DESC user\_tables;

Name Null? Type

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

TABLE\_NAME NOT NULL VARCHAR2(30)

TABLESPACE\_NAME VARCHAR2(30)

CLUSTER\_NAME VARCHAR2(30)

IOT\_NAME VARCHAR2(30)

STATUS VARCHAR2(8)

PCT\_FREE NUMBER

PCT\_USED NUMBER

INI\_TRANS NUMBER

MAX\_TRANS NUMBER

INITIAL\_EXTENT NUMBER

NEXT\_EXTENT NUMBER

MIN\_EXTENTS NUMBER

MAX\_EXTENTS NUMBER

PCT\_INCREASE NUMBER

FREELISTS NUMBER

FREELIST\_GROUPS NUMBER

LOGGING VARCHAR2(3)

BACKED\_UP VARCHAR2(1)

NUM\_ROWS NUMBER

BLOCKS NUMBER

EMPTY\_BLOCKS NUMBER

AVG\_SPACE NUMBER

CHAIN\_CNT NUMBER

AVG\_ROW\_LEN NUMBER

AVG\_SPACE\_FREELIST\_BLOCKS NUMBER

NUM\_FREELIST\_BLOCKS NUMBER

DEGREE VARCHAR2(10)

INSTANCES VARCHAR2(10)

CACHE VARCHAR2(5)

TABLE\_LOCK VARCHAR2(8)

SAMPLE\_SIZE NUMBER

LAST\_ANALYZED DATE

PARTITIONED VARCHAR2(3)

IOT\_TYPE VARCHAR2(12)

TEMPORARY VARCHAR2(1)

SECONDARY VARCHAR2(1)

NESTED VARCHAR2(3)

BUFFER\_POOL VARCHAR2(7)

FLASH\_CACHE VARCHAR2(7)

CELL\_FLASH\_CACHE VARCHAR2(7)

ROW\_MOVEMENT VARCHAR2(8)

GLOBAL\_STATS VARCHAR2(3)

USER\_STATS VARCHAR2(3)

DURATION VARCHAR2(15)

SKIP\_CORRUPT VARCHAR2(8)

MONITORING VARCHAR2(3)

CLUSTER\_OWNER VARCHAR2(30)

DEPENDENCIES VARCHAR2(8)

COMPRESSION VARCHAR2(8)

COMPRESS\_FOR VARCHAR2(12)

DROPPED VARCHAR2(3)

READ\_ONLY VARCHAR2(3)

SEGMENT\_CREATED VARCHAR2(3)

RESULT\_CACHE VARCHAR2(7)

SQL> DESC user\_objects;

Name Null? Type

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

OBJECT\_NAME VARCHAR2(128)

SUBOBJECT\_NAME VARCHAR2(30)

OBJECT\_ID NUMBER

DATA\_OBJECT\_ID NUMBER

OBJECT\_TYPE VARCHAR2(19)

CREATED DATE

LAST\_DDL\_TIME DATE

TIMESTAMP VARCHAR2(19)

STATUS VARCHAR2(7)

TEMPORARY VARCHAR2(1)

GENERATED VARCHAR2(1)

SECONDARY VARCHAR2(1)

NAMESPACE NUMBER

EDITION\_NAME VARCHAR2(30)

SQL> DESCT user\_views;

SP2-0734: unknown command beginning "DESCT user..." - rest of line ignored.

SQL> DESC user\_views;

Name Null? Type

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

VIEW\_NAME NOT NULL VARCHAR2(30)

TEXT\_LENGTH NUMBER

TEXT LONG

TYPE\_TEXT\_LENGTH NUMBER

TYPE\_TEXT VARCHAR2(4000)

OID\_TEXT\_LENGTH NUMBER

OID\_TEXT VARCHAR2(4000)

VIEW\_TYPE\_OWNER VARCHAR2(30)

VIEW\_TYPE VARCHAR2(30)

SUPERVIEW\_NAME VARCHAR2(30)

EDITIONING\_VIEW VARCHAR2(1)

READ\_ONLY VARCHAR2(1)

SQL> DESC user\_synonims;

ERROR:

ORA-04043: object user\_synonims does not exist

SQL> edit

Wrote file afiedt.buf

1\* SELECT table\_name FROM User\_tables

SQL> DESC user\_synonyms;

Name Null? Type

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

SYNONYM\_NAME NOT NULL VARCHAR2(30)

TABLE\_OWNER VARCHAR2(30)

TABLE\_NAME NOT NULL VARCHAR2(30)

DB\_LINK VARCHAR2(128)

SQL> DESC all\_tables;

Name Null? Type

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

OWNER NOT NULL VARCHAR2(30)

TABLE\_NAME NOT NULL VARCHAR2(30)

TABLESPACE\_NAME VARCHAR2(30)

CLUSTER\_NAME VARCHAR2(30)

IOT\_NAME VARCHAR2(30)

STATUS VARCHAR2(8)

PCT\_FREE NUMBER

PCT\_USED NUMBER

INI\_TRANS NUMBER

MAX\_TRANS NUMBER

INITIAL\_EXTENT NUMBER

NEXT\_EXTENT NUMBER

MIN\_EXTENTS NUMBER

MAX\_EXTENTS NUMBER

PCT\_INCREASE NUMBER

FREELISTS NUMBER

FREELIST\_GROUPS NUMBER

LOGGING VARCHAR2(3)

BACKED\_UP VARCHAR2(1)

NUM\_ROWS NUMBER

BLOCKS NUMBER

EMPTY\_BLOCKS NUMBER

AVG\_SPACE NUMBER

CHAIN\_CNT NUMBER

AVG\_ROW\_LEN NUMBER

AVG\_SPACE\_FREELIST\_BLOCKS NUMBER

NUM\_FREELIST\_BLOCKS NUMBER

DEGREE VARCHAR2(10)

INSTANCES VARCHAR2(10)

CACHE VARCHAR2(5)

TABLE\_LOCK VARCHAR2(8)

SAMPLE\_SIZE NUMBER

LAST\_ANALYZED DATE

PARTITIONED VARCHAR2(3)

IOT\_TYPE VARCHAR2(12)

TEMPORARY VARCHAR2(1)

SECONDARY VARCHAR2(1)

NESTED VARCHAR2(3)

BUFFER\_POOL VARCHAR2(7)

FLASH\_CACHE VARCHAR2(7)

CELL\_FLASH\_CACHE VARCHAR2(7)

ROW\_MOVEMENT VARCHAR2(8)

GLOBAL\_STATS VARCHAR2(3)

USER\_STATS VARCHAR2(3)

DURATION VARCHAR2(15)

SKIP\_CORRUPT VARCHAR2(8)

MONITORING VARCHAR2(3)

CLUSTER\_OWNER VARCHAR2(30)

DEPENDENCIES VARCHAR2(8)

COMPRESSION VARCHAR2(8)

COMPRESS\_FOR VARCHAR2(12)

DROPPED VARCHAR2(3)

READ\_ONLY VARCHAR2(3)

SEGMENT\_CREATED VARCHAR2(3)

RESULT\_CACHE VARCHAR2(7)

SQL> SELECT \*

2 FROM dict

3 WHERE rownum <= 5;

TABLE\_NAME

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

COMMENTS

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

ALL$OLAP2\_AWS

ALL\_ALL\_TABLES

Description of all object and relational tables accessible to the user

ALL\_APPLY

Details about each apply process that dequeues from the queue visible to the cur

rent user

TABLE\_NAME

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

COMMENTS

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

ALL\_APPLY\_CHANGE\_HANDLERS

Details about apply change handler

ALL\_APPLY\_CONFLICT\_COLUMNS

Details about conflict resolution on tables visible to the current user

SQL> edit

Wrote file afiedt.buf

1 SELECT \*

2 FROM user\_tables

3\* WHERE rownum <= 5

SQL> /

TABLE\_NAME

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

TABLESPACE\_NAME

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

CLUSTER\_NAME

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

IOT\_NAME

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

STATUS PCT\_FREE PCT\_USED INI\_TRANS MAX\_TRANS

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

INITIAL\_EXTENT NEXT\_EXTENT MIN\_EXTENTS MAX\_EXTENTS PCT\_INCREASE FREELISTS

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

FREELIST\_GROUPS LOGGING BAC NUM\_ROWS BLOCKS EMPTY\_BLOCKS AVG\_SPACE

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

CHAIN\_CNT AVG\_ROW\_LEN AVG\_SPACE\_FREELIST\_BLOCKS NUM\_FREELIST\_BLOCKS

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

DEGREE INSTANCES CACHE

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

TABLE\_LOCK SAMPLE\_SIZE LAST\_ANALYZED PARTITION

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

IOT\_TYPE TEM SEC NESTED BUFFER\_POOL

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

FLASH\_CACHE CELL\_FLASH\_CACHE ROW\_MOVEMENT GLOBAL\_ST

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

USER\_STAT DURATION SKIP\_CORRUPT

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

MONITORIN

---------

CLUSTER\_OWNER

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

DEPENDENCIES COMPRESSION

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

COMPRESS\_FOR DROPPED READ\_ONLY SEGMENT\_C

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

RESULT\_CACHE

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

CUST

TABLE\_NAME

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

TABLESPACE\_NAME

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

CLUSTER\_NAME

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

IOT\_NAME

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

STATUS PCT\_FREE PCT\_USED INI\_TRANS MAX\_TRANS

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

INITIAL\_EXTENT NEXT\_EXTENT MIN\_EXTENTS MAX\_EXTENTS PCT\_INCREASE FREELISTS

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

FREELIST\_GROUPS LOGGING BAC NUM\_ROWS BLOCKS EMPTY\_BLOCKS AVG\_SPACE

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

CHAIN\_CNT AVG\_ROW\_LEN AVG\_SPACE\_FREELIST\_BLOCKS NUM\_FREELIST\_BLOCKS

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

DEGREE INSTANCES CACHE

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

TABLE\_LOCK SAMPLE\_SIZE LAST\_ANALYZED PARTITION

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

IOT\_TYPE TEM SEC NESTED BUFFER\_POOL

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

FLASH\_CACHE CELL\_FLASH\_CACHE ROW\_MOVEMENT GLOBAL\_ST

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

USER\_STAT DURATION SKIP\_CORRUPT

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

MONITORIN

---------

CLUSTER\_OWNER

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

DEPENDENCIES COMPRESSION

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

COMPRESS\_FOR DROPPED READ\_ONLY SEGMENT\_C

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

RESULT\_CACHE

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

DBCLASS3

SQL> edit

Wrote file afiedt.buf

1 SELECT \*

2 FROM all\_synonyms

3\* WHERE rownum <= 5

SQL> /

OWNER

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

SYNONYM\_NAME

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

TABLE\_OWNER

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

TABLE\_NAME

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

DB\_LINK

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

AABBE

COU

REARP

OWNER

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

SYNONYM\_NAME

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

TABLE\_OWNER

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

TABLE\_NAME

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

DB\_LINK

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

COURSE

OWNER

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

SYNONYM\_NAME

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

TABLE\_OWNER

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

TABLE\_NAME

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

DB\_LINK

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

AABBE

DPT\_2\_MJR

REARP

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*EX5\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

SQL> /

COLUMN "Student Name" FORMAT a20

\*

ERROR at line 1:

ORA-00900: invalid SQL statement

SQL> edit

Wrote file afiedt.buf

1 COLUMN "Student Name" FORMAT a20

2 COLUMN "Grade Assigned" FORMAT a20

3 SELECT a.name "Student Name", g.grade "Grade Assigned"

4 FROM Student s, Grade g

5 WHERE s.stno = g.student\_number

6 AND rownum < 11

7\* CLEAR COLUMNS

SQL> /

COLUMN "Student Name" FORMAT a20

\*

ERROR at line 1:

ORA-00900: invalid SQL statement

SQL> edit

Wrote file afiedt.buf

1 COLUMN "Student Name" FORMAT A20

2 COLUMN "Grade Assigned" FORMAT A20

3 SELECT a.name "Student Name", g.grade "Grade Assigned"

4 FROM Student s, Grade g

5 WHERE s.stno = g.student\_number

6 AND rownum < 11

7\* CLEAR COLUMNS

SQL> /

COLUMN "Student Name" FORMAT A20

\*

ERROR at line 1:

ORA-00900: invalid SQL statement

SQL> edit

Wrote file afiedt.buf

1 COLUMN Student Name FORMAT A20

2 COLUMN Grade Assigned FORMAT A20

3 SELECT a.name Student Name, g.grade Grade Assigned

4 FROM Student s, Grade g

5 WHERE s.stno = g.student\_number

6 AND rownum < 11

7\* CLEAR COLUMNS

SQL> /

COLUMN Student Name FORMAT A20

\*

ERROR at line 1:

ORA-00900: invalid SQL statement

SQL> edit

Wrote file afiedt.buf

1 COLUMN "Student Name" FORMAT A20

2 COLUMN "Grade Assigned" FORMAT A20

3 SELECT a.name "Student Name",

4 g.grade "Grade Assigned"

5 FROM Student s, Grade g

6 WHERE s.stno = g.student\_number

7 AND rownum < 11

8\* CLEAR COLUMNS

SQL> /

COLUMN "Student Name" FORMAT A20

\*

ERROR at line 1:

ORA-00900: invalid SQL statement

SQL> COMMIT

2 ;

Commit complete.

SQL> DROP TABLE T1, T2, T3, Stu, Major;

DROP TABLE T1, T2, T3, Stu, Major

\*

ERROR at line 1:

ORA-00933: SQL command not properly ended

SQL> DROP TAABLE T1;

DROP TAABLE T1

\*

ERROR at line 1:

ORA-00950: invalid DROP option

SQL> edit

Wrote file afiedt.buf

1\* DROP TABLE T1

SQL> /

Table dropped.

SQL> edit

Wrote file afiedt.buf

1\* DROP TABLE T2

SQL> /

Table dropped.

SQL> edit

Wrote file afiedt.buf

1\* DROP TABLE T3

SQL> /

Table dropped.

SQL> edit

Wrote file afiedt.buf

1\* DROP TABLE T4

SQL> /

DROP TABLE T4

\*

ERROR at line 1:

ORA-00942: table or view does not exist

SQL> edit

Wrote file afiedt.buf

1\* DROP TABLE Stu

SQL> /

Table dropped.

SQL> edit

Wrote file afiedt.buf

1\* DROP TABLE Major

SQL> /

Table dropped.

SQL> SELECT table\_name

2 FROM user\_tables;

TABLE\_NAME

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

CUST

SQL> SELECT s.sname

2 FROM Student s, Student a

3 WHERE s.class > a.class

4 AND a.class = 3;

SNAME

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

Mary

Kelly

Donald

Chris

Benny

Jerry

Harrison

Francis

Jake

Holly

Mary

SNAME

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

Kelly

Donald

Chris

Benny

Jerry

Harrison

Francis

Jake

Holly

Mary

Kelly

SNAME

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

Donald

Chris

Benny

Jerry

Harrison

Francis

Jake

Holly

Mary

Kelly

Donald

SNAME

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

Chris

Benny

Jerry

Harrison

Francis

Jake

Holly

Mary

Kelly

Donald

Chris

SNAME

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

Benny

Jerry

Harrison

Francis

Jake

Holly

Mary

Kelly

Donald

Chris

Benny

SNAME

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

Jerry

Harrison

Francis

Jake

Holly

Mary

Kelly

Donald

Chris

Benny

Jerry

SNAME

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

Harrison

Francis

Jake

Holly

70 rows selected.