Cesar Santiago

ID: 970403634

COP4710 Database Systems

Pf. J. Teichert

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

SQL> SELECT \*

2 FROM Section

3 WHERE instructor = 'HERMANO';

SECTION\_ID COURSE\_NUM SEMESTER YEAR

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

INSTRUCTOR BLDG ROOM

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

126 ENGL1010 FALL 16

HERMANO 13 101

127 ENGL1011 SPRING 15

HERMANO 13 101

133 ENGL1010 FALL 15

HERMANO 13 101

SECTION\_ID COURSE\_NUM SEMESTER YEAR

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

INSTRUCTOR BLDG ROOM

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

134 ENGL1011 SPRING 16

HERMANO 13 101

SQL> SAVE q1

Created file q1.sql

SQL> EDIT q1

SQL> @q1

SNAME

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

Lineas

Lineas

Richard

SQL> SPOOL OFF

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

SQL> CREATE TABLE Stutab (STNO NUMBER(38) NOT NULL,

2 SNAME VARCHAR2(20),

3 MAJOR VARCHAR2(4),

4 CLASS NUMBER(38),

5 BDATE DATE)

6 ;

Table created.

SQL> DESC Stutab;

Name Null? Type

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

STNO NOT NULL NUMBER(38)

SNAME VARCHAR2(20)

MAJOR VARCHAR2(4)

CLASS NUMBER(38)

BDATE DATE

SQL> INSERT INTO Stutab

2 SELECT \* FROM Student;

48 rows created.

SQL> Edit

Wrote file afiedt.buf

1 SELECT s.sname, s.major

2 FROM Stutab s

3\* WHERE s.class > 3

SQL> /

SNAME MAJOR

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

Mary COSC

Kelly MATH

Donald ACCT

Chris ACCT

Holly POLY

Jerry COSC

Harrison ACCT

Francis ACCT

Jake COSC

Benny CHEM

10 rows selected.

SQL> edit

Wrote file afiedt.buf

1 SELECT s.sname, s.major

2 FROM Stutab s

3\* WHERE s.major = 'COSC'

SQL> /

SNAME MAJOR

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

Mary COSC

Brenda COSC

Lujack COSC

Elainie COSC

Hillary1 COSC

Brad COSC

Alan COSC

Jerry COSC

Jake COSC

Zelda COSC

10 rows selected.

SQL> edit

Wrote file afiedt.buf

1 CREATE OR REPLACE VIEW vstu AS

2 SELECT s.sname, s.major

3 FROM Stutab s

4\* WHERE s.major = 'COSC'

SQL> /

View created.

SQL> SELECT \*

2 FROM vstu

3 ORDER BY sname;

SNAME MAJOR

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

Alan COSC

Brad COSC

Brenda COSC

Elainie COSC

Hillary1 COSC

Jake COSC

Jerry COSC

Lujack COSC

Mary COSC

Zelda COSC

10 rows selected.

SQL> SELECT \*

2 FROM vstu

3 ORDER BY sname;

SNAME MAJOR

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

Alan COSC

Brenda COSC

Elainie COSC

Hillary1 COSC

Jake COSC

Jerry COSC

Lujack COSC

Mary COSC

Zelda COSC

9 rows selected.

SQL> UPDATE vstu

2 SET Major = 'ACCT'

3 WHERE sname = 'Brad';

1 row updated.

SQL> SELECT \*

2 FROM vstu

3 ORDER BY sname;

SNAME MAJOR

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

Alan COSC

Brenda COSC

Elainie COSC

Hillary1 COSC

Jake COSC

Jerry COSC

Lujack COSC

Mary COSC

Zelda COSC

9 rows selected.

SQL> edit

Wrote file afiedt.buf

1 SELECT s.sname, s.major

2 FROM Stutab s

3\* WHERE s.major = 'COSC'

SQL> /

SNAME MAJOR

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

Mary COSC

Brenda COSC

Lujack COSC

Elainie COSC

Hillary1 COSC

Alan COSC

Jerry COSC

Jake COSC

Zelda COSC

9 rows selected.

SQL> UPDATE vstu

2 SET Major = 'COMPSC';

SET Major = 'COMPSC'

\*

ERROR at line 2:

ORA-12899: value too large for column "CAS156"."STUTAB"."MAJOR" (actual: 6,

maximum: 4)

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

SQL> CREATE OR REPLACE VIEW vx (Na, Ma) AS

2 SELECT s.sname, s.major

3 FROM Stutab s

4 WHERE s.major = 'COSC';

View created.

SQL> SELECT \*

2 FROM vx;

NA MA

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

Mary COSC

Brenda COSC

Lujack COSC

Elainie COSC

Hillary1 COSC

Alan COSC

Jerry COSC

Jake COSC

Zelda COSC

9 rows selected.

SQL> CREATE OR REPLACE VIEW vy (s.sname, s.major) AS

2 SELECT s.sname, s.major

3 FROM Stutab s

4 WHERE s.major = 'COSC';

CREATE OR REPLACE VIEW vy (s.sname, s.major) AS

\*

ERROR at line 1:

ORA-00907: missing right parenthesis

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

SQL> SELECT \*

2 FROM Student

3 WHERE stno < 100 AND major = 'COSC' OR major = 'ACCT';

STNO SNAME

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

MAJOR CLASS BDATE

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

3 Mary

COSC 4 16-JUL-98

8 Brenda

COSC 2 13-AUG-97

14 Lujack

COSC 1 12-FEB-97

STNO SNAME

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

MAJOR CLASS BDATE

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

17 Elainie

COSC 1 12-AUG-96

20 Donald

ACCT 4 15-OCT-97

24 Chris

ACCT 4 12-FEB-98

STNO SNAME

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

MAJOR CLASS BDATE

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

145 Harrison

ACCT 4 12-FEB-97

146 Francis

ACCT 4 11-JUN-97

148 Sebastian

ACCT 2 14-OCT-96

STNO SNAME

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

MAJOR CLASS BDATE

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

31 Jake

COSC 4 12-FEB-98

5 Zelda

COSC 12-FEB-98

11 rows selected.

SQL> SELECT \*

2 FROM Student

3 WHERE (stno < 100 AND major = 'COSC') OR major = 'ACCT';

STNO SNAME

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

MAJOR CLASS BDATE

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

3 Mary

COSC 4 16-JUL-98

8 Brenda

COSC 2 13-AUG-97

14 Lujack

COSC 1 12-FEB-97

STNO SNAME

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

MAJOR CLASS BDATE

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

17 Elainie

COSC 1 12-AUG-96

20 Donald

ACCT 4 15-OCT-97

24 Chris

ACCT 4 12-FEB-98

STNO SNAME

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

MAJOR CLASS BDATE

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

145 Harrison

ACCT 4 12-FEB-97

146 Francis

ACCT 4 11-JUN-97

148 Sebastian

ACCT 2 14-OCT-96

STNO SNAME

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

MAJOR CLASS BDATE

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

31 Jake

COSC 4 12-FEB-98

5 Zelda

COSC 12-FEB-98

11 rows selected.

SQL> edit

Wrote file afiedt.buf

1 SELECT \*

2 FROM Student

3\* WHERE stno < 100 AND( major = 'COSC' OR major = 'ACCT')

SQL> /

STNO SNAME

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

MAJOR CLASS BDATE

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

3 Mary

COSC 4 16-JUL-98

5 Zelda

COSC 12-FEB-98

8 Brenda

COSC 2 13-AUG-97

STNO SNAME

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

MAJOR CLASS BDATE

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

14 Lujack

COSC 1 12-FEB-97

17 Elainie

COSC 1 12-AUG-96

20 Donald

ACCT 4 15-OCT-97

STNO SNAME

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

MAJOR CLASS BDATE

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

24 Chris

ACCT 4 12-FEB-98

31 Jake

COSC 4 12-FEB-98

8 rows selected.

SQL> edit

Wrote file afiedt.buf

1 SELECT \*

2 FROM Student

3\* WHERE stno < 100 OR major = 'COSC' AND major = 'ACCT'

SQL> /

STNO SNAME

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

MAJOR CLASS BDATE

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

2 Lineas

ENGL 1 15-APR-01

3 Mary

COSC 4 16-JUL-98

5 Zelda

COSC 12-FEB-98

STNO SNAME

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

MAJOR CLASS BDATE

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

6 Ken

POLY 15-JUL-01

7 Mario

MATH 12-AUG-01

8 Brenda

COSC 2 13-AUG-97

STNO SNAME

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

MAJOR CLASS BDATE

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

9 Romona

ENGL 15-APR-01

10 Richard

ENGL 1 13-MAY-01

13 Kelly

MATH 4 12-AUG-01

STNO SNAME

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

MAJOR CLASS BDATE

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

14 Lujack

COSC 1 12-FEB-97

15 Reva

MATH 2 10-JUN-01

17 Elainie

COSC 1 12-AUG-96

STNO SNAME

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

MAJOR CLASS BDATE

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

19 Harley

POLY 2 16-APR-02

20 Donald

ACCT 4 15-OCT-97

24 Chris

ACCT 4 12-FEB-98

STNO SNAME

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

MAJOR CLASS BDATE

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

31 Jake

COSC 4 12-FEB-98

34 Lynette

POLY 1 16-JUL-02

49 Susan

ENGL 3 11-MAR-01

STNO SNAME

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

MAJOR CLASS BDATE

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

62 Monica

MATH 3 14-OCT-01

70 Bill

POLY 14-OCT-01

88 Smith

15-OCT-93

21 rows selected.

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

SQL> SELECT s.instructor, c.course\_name

2 FROM Section s, Course c

3 WHERE s.course\_num = c.course\_number

4 ORDER BY s.instructor;

INSTRUCTOR

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

COURSE\_NAME

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

ANDERSON

INTRO TO COMPUTER SC

ANDERSON

INTRO TO COMPUTER SC

CARNEAU

ORGANIC CHEMISTRY

INSTRUCTOR

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

COURSE\_NAME

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

CHANG

ALGEBRA

CHANG

DISCRETE MATHEMATICS

CHANG

MATH ANALYSIS

INSTRUCTOR

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

COURSE\_NAME

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

EMERSON

MATH ANALYSIS

HARDESTY

DATABASE

HARDESTY

DATABASE

INSTRUCTOR

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

COURSE\_NAME

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

HERMANO

ENGLISH COMP I

HERMANO

ENGLISH COMP II

HERMANO

ENGLISH COMP II

INSTRUCTOR

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

COURSE\_NAME

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

HERMANO

ENGLISH COMP I

HILLARY

FUND. TECH. WRITING

HILLARY

WRITING FOR NON MAJO

INSTRUCTOR

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

COURSE\_NAME

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

HILLARY

WRITING FOR NON MAJO

HILLARY

FUND. TECH. WRITING

JONES

INTRO TO COMPUTER SC

INSTRUCTOR

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

COURSE\_NAME

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

KING

DISCRETE MATHEMATICS

KNUTH

DATA STRUCTURES

RAFAELT

TURBO PASCAL

INSTRUCTOR

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

COURSE\_NAME

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

RAFAELT

INTRO TO COMPUTER SC

RODRIGUEZ

ACCOUNTING INFO SYST

RODRIQUEZ

ACCOUNTING II

INSTRUCTOR

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

COURSE\_NAME

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

RODRIQUEZ

MANAGERIAL FINANCE

SCHMIDT

SOCIALISM AND COMMUN

SCHMIDT

AMERICAN CONSTITUTIO

INSTRUCTOR

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

COURSE\_NAME

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

SCHMIDT

AMERICAN GOVERNMENT

STONE

DATABASE

DISCRETE MATHEMATICS

INSTRUCTOR

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

COURSE\_NAME

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

INTRO TO CHEMISTRY

OPERATIONS RESEARCH

32 rows selected.

SQL> CREATE OR REPLACE VIEW vins AS

2 SELECT s.instructor, c.course\_name

3 FROM Section s, Course c

4 WHERE s.course\_num = c.course\_number

5 ORDER BY s.instructor;

View created.

SQL> SELECT \*

2 FROM (SELECT s.instruct, c.course\_name

3 FROM Section s, Course c

4 WHERE s.course\_num = c.course\_number);

FROM (SELECT s.instruct, c.course\_name

\*

ERROR at line 2:

ORA-00904: "S"."INSTRUCT": invalid identifier

SQL> edit

Wrote file afiedt.buf

1 SELECT \*

2 FROM (SELECT s.instructor, c.course\_name

3 FROM Section s, Course c

4\* WHERE s.course\_num = c.course\_number)

SQL> /

INSTRUCTOR

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

COURSE\_NAME

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

RODRIQUEZ

ACCOUNTING II

RODRIQUEZ

MANAGERIAL FINANCE

RODRIGUEZ

ACCOUNTING INFO SYST

INSTRUCTOR

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

COURSE\_NAME

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

INTRO TO CHEMISTRY

CARNEAU

ORGANIC CHEMISTRY

JONES

INTRO TO COMPUTER SC

INSTRUCTOR

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

COURSE\_NAME

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

ANDERSON

INTRO TO COMPUTER SC

RAFAELT

INTRO TO COMPUTER SC

ANDERSON

INTRO TO COMPUTER SC

INSTRUCTOR

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

COURSE\_NAME

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

RAFAELT

TURBO PASCAL

KNUTH

DATA STRUCTURES

HARDESTY

DATABASE

INSTRUCTOR

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

COURSE\_NAME

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

HARDESTY

DATABASE

STONE

DATABASE

OPERATIONS RESEARCH

INSTRUCTOR

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

COURSE\_NAME

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

HERMANO

ENGLISH COMP I

HERMANO

ENGLISH COMP I

HERMANO

ENGLISH COMP II

INSTRUCTOR

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

COURSE\_NAME

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

HERMANO

ENGLISH COMP II

HILLARY

FUND. TECH. WRITING

HILLARY

FUND. TECH. WRITING

INSTRUCTOR

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

COURSE\_NAME

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

HILLARY

WRITING FOR NON MAJO

HILLARY

WRITING FOR NON MAJO

CHANG

ALGEBRA

INSTRUCTOR

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

COURSE\_NAME

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

CHANG

DISCRETE MATHEMATICS

KING

DISCRETE MATHEMATICS

DISCRETE MATHEMATICS

INSTRUCTOR

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

COURSE\_NAME

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

CHANG

MATH ANALYSIS

EMERSON

MATH ANALYSIS

SCHMIDT

AMERICAN CONSTITUTIO

INSTRUCTOR

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

COURSE\_NAME

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

SCHMIDT

AMERICAN GOVERNMENT

SCHMIDT

SOCIALISM AND COMMUN

32 rows selected.

SQL> edit

Wrote file afiedt.buf

1 SELECT \*

2 FROM (SELECT s.instructor, c.course\_name

3 FROM Section s, Course c

4 WHERE s.course\_num = c.course\_number)

5\* ORDER BY instructor

SQL> /

INSTRUCTOR

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

COURSE\_NAME

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

ANDERSON

INTRO TO COMPUTER SC

ANDERSON

INTRO TO COMPUTER SC

CARNEAU

ORGANIC CHEMISTRY

INSTRUCTOR

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

COURSE\_NAME

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

CHANG

ALGEBRA

CHANG

DISCRETE MATHEMATICS

CHANG

MATH ANALYSIS

INSTRUCTOR

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

COURSE\_NAME

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

EMERSON

MATH ANALYSIS

HARDESTY

DATABASE

HARDESTY

DATABASE

INSTRUCTOR

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

COURSE\_NAME

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

HERMANO

ENGLISH COMP I

HERMANO

ENGLISH COMP II

HERMANO

ENGLISH COMP II

INSTRUCTOR

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

COURSE\_NAME

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

HERMANO

ENGLISH COMP I

HILLARY

FUND. TECH. WRITING

HILLARY

WRITING FOR NON MAJO

INSTRUCTOR

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

COURSE\_NAME

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

HILLARY

WRITING FOR NON MAJO

HILLARY

FUND. TECH. WRITING

JONES

INTRO TO COMPUTER SC

INSTRUCTOR

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

COURSE\_NAME

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

KING

DISCRETE MATHEMATICS

KNUTH

DATA STRUCTURES

RAFAELT

TURBO PASCAL

INSTRUCTOR

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

COURSE\_NAME

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

RAFAELT

INTRO TO COMPUTER SC

RODRIGUEZ

ACCOUNTING INFO SYST

RODRIQUEZ

ACCOUNTING II

INSTRUCTOR

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

COURSE\_NAME

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

RODRIQUEZ

MANAGERIAL FINANCE

SCHMIDT

SOCIALISM AND COMMUN

SCHMIDT

AMERICAN CONSTITUTIO

INSTRUCTOR

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

COURSE\_NAME

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

SCHMIDT

AMERICAN GOVERNMENT

STONE

DATABASE

DISCRETE MATHEMATICS

INSTRUCTOR

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

COURSE\_NAME

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

INTRO TO CHEMISTRY

OPERATIONS RESEARCH

32 rows selected.