##########################5-1#####################

SQL> SELECT section\_ID

2 FROM Sec

3 WHERE instructor='HERMANO';

SECTION\_ID

----------

126

127

133

134

SQL> SAVE q1 CRE;

Created file q1.sql

SQL> @q1

SECTION\_ID

----------

126

127

133

134

SQL> list

1 SELECT section\_id

2 FROM Sec

3\* WHERE instructor='HERMANO'

SQL> i

4 AND s.section\_id=g.section\_id

SQL> l

1 SELECT section\_id

2 FROM Sec

3 WHERE instructor='HERMANO'

4\* AND s.section\_id=g.section\_id

SQL> 2

2\* FROM Sec

SQL> APPEND s, Grrep g

2\* FROM Sec s, Grrep g

SQL> l

1 SELECT section\_id

2 FROM Sec s, Grrep g

3 WHERE instructor='HERMANO'

4\* AND s.section\_id=g.section\_id

SQL> SELECT \*

2 FROM Sec c, Grrep g, Stu s

3 WHERE instructor='HERMANO'

4 AND c.section\_id=g.section\_id

SQL> SELECT s.sname, g.grade, c.section\_id

2 FROM Sec c, Grrep g, Stu s

3 WHERE instructor='HERMANO'

4 AND c.section\_id(+)=g.section\_id

5 AND s.stno=g.student\_number;

SQL> l

1 SELECT s.sname, g.grade, c.section\_id

2 FROM Sec c, Grrep g, Stu s

3 WHERE instructor='HERMANO'

4 AND c.section\_id(+)=g.section\_id

5\* AND s.stno=g.student\_number

SQL> i

6 AND (g.grade='A' OR g.grade='B');

SNAME GRA SECTION\_ID

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

Lineas B 126

Richard A 127

Lineas A 127

################################5-2#################################

SQL> CREATE TABLE Stutab

2 (STNO NUMBER(3),

3 SNAME VARCHAR2(20),

4 MAJOR CHAR(4),

5 CLASS NUMBER(1),

6 BDATE DATE);

Table created.

SQL> INSERT INTO Stutab

2 SELECT \*

3 FROM Stu;

48 rows created.

SQL> SELECT sname, major

2 FROM Stutab

3 WHERE (class=3 OR class=4);

SNAME MAJOR

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

Mary COSC

Kelly MATH

Donald ACCT

Chris ACCT

Susan ENGL

Monica MATH

Phoebe ENGL

Holly POLY

Rachel ENGL

Jerry COSC

Cramer ENGL

SNAME MAJOR

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

Harrison ACCT

Francis ACCT

Jake COSC

Losmith CHEM

Benny CHEM

Gus ART

17 rows selected.

SQL> SELECT sname, major

2 FROM Stutab

3 WHERE major='COSC';

SNAME MAJOR

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

Mary COSC

Brenda COSC

Lujack COSC

Elainie COSC

Hillary COSC

Brad COSC

Alan COSC

Jerry COSC

Jake COSC

Zelda COSC

10 rows selected.

SQL> CREATE OR REPLACE VIEW vstu AS

2 SELECT sname, major

3 FROM Stutab

4 WHERE major='COSC';

View created.

SQL> l

1 CREATE OR REPLACE VIEW vstu AS

2 SELECT sname, major

3 FROM Stutab

4\* WHERE major='COSC'

SQL> SAVE Student\_view;

Created file Student\_view.sql

SQL> @Student\_view;

View created.

SQL> SELECT \*

2 FROM vstu

3 ORDER BY sname DESC;

SNAME MAJOR

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

Zelda COSC

Mary COSC

Lujack COSC

Jerry COSC

Jake COSC

Hillary COSC

Elainie COSC

Brenda COSC

Brad COSC

Alan COSC

10 rows selected.

#################5-2e##############

SQL> UPDATE vstu

2 SET MAJOR='ACCT'

3 WHERE sname='Brad';

1 row updated.

SQL> SELECT \*

2 FROM vstu;

SNAME MAJOR

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

Mary COSC

Brenda COSC

Lujack COSC

Elainie COSC

Hillary COSC

Alan COSC

Jerry COSC

Jake COSC

Zelda COSC

9 rows selected.

SQL> SELECT \*

2 FROM Stutab

3 WHERE major='COSC';

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

17 Elainie COSC 1 12-AUG-96

121 Hillary COSC 1 16-JUL-97

130 Alan COSC 2 16-JUL-97

142 Jerry COSC 4 12-MAR-98

31 Jake COSC 4 12-FEB-98

5 Zelda COSC 12-FEB-98

9 rows selected.

\*\*\*\*\*\*\*\*\*\*It appears to have changed the parent Stutab table.

SQL> UPDATE vstu

2 SET major='COMPSC'

3 WHERE sname='Jake';

SET major='COMPSC'

\*

ERROR at line 2:

ORA-12899: value too large for column "WWT1"."STUTAB"."MAJOR" (actual: 6, maximum: 4)

\*\*\*\*\*\*\*\*\*\*\*\*\*\*This change is not allowed because the data does not match the criteria for the column

#############################5-3##################

SQL> CREATE OR REPLACE VIEW vstu2 (stno, class) AS

2 SELECT sname, major

3 FROM Stutab

4 WHERE major='COSC';

View created.

SQL> SELECT \*

2 FROM vstu2

3 ;

STNO CLASS

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

Mary COSC

Brenda COSC

Lujack COSC

Elainie COSC

Hillary COSC

Brad COSC

Alan COSC

Jerry COSC

Jake COSC

Zelda COSC

10 rows selected.

\*\*\*\*\* The Columns have been given heading that correspond to the parentheses statement.

######################5-3b######################

SQL> SELECT \*

2 FROM vstu2;

STNO CLASS

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

Mary COSC

Brenda COSC

Lujack COSC

Elainie COSC

Hillary COSC

Brad COSC

Alan COSC

Jerry COSC

Jake COSC

Zelda COSC

10 rows selected.

SQL> SELECT sname name, major field\_of\_study

2 FROM Stu;

NAME FIELD\_OF\_STU

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

Lineas ENGL

Mary COSC

Brenda COSC

Richard ENGL

Kelly MATH

Lujack COSC

Reva MATH

Elainie COSC

Harley POLY

Donald ACCT

\*\*\*\*\*\*\*\*\*\*There doesn’t appear to be any difference.

###########################5-4###########################

SQL> SELECT \*

2 FROM Stu

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

17 Elainie COSC 1 12-AUG-96

20 Donald ACCT 4 15-OCT-97

24 Chris ACCT 4 12-FEB-98

145 Harrison ACCT 4 12-FEB-97

146 Francis ACCT 4 11-JUN-97

148 Sebastian ACCT 2 14-OCT-96

31 Jake COSC 4 12-FEB-98

5 Zelda COSC 12-FEB-98

11 rows selected.

SQL> SELECT \*

2 FROM Stu

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

17 Elainie COSC 1 12-AUG-96

20 Donald ACCT 4 15-OCT-97

24 Chris ACCT 4 12-FEB-98

145 Harrison ACCT 4 12-FEB-97

146 Francis ACCT 4 11-JUN-97

148 Sebastian ACCT 2 14-OCT-96

31 Jake COSC 4 12-FEB-98

5 Zelda COSC 12-FEB-98

11 rows selected.

SQL> SELECT \*

2 FROM Stu

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

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

14 Lujack COSC 1 12-FEB-97

17 Elainie COSC 1 12-AUG-96

20 Donald ACCT 4 15-OCT-97

24 Chris ACCT 4 12-FEB-98

31 Jake COSC 4 12-FEB-98

8 rows selected.

\*\*\*\*\*\*\*\*\*\*\* The non-parentheses statement gives you

SQL> SELECT \*

2 FROM Stu

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

\*\*\*\*\*\*\*\*\*\*Switching the AND/OR gives you this. It seems that the major parameters have no function with this syntax.

SQL> SELECT \*

2 FROM Stu

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

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

6 Ken POLY 15-JUL-01

7 Mario MATH 12-AUG-01

8 Brenda COSC 2 13-AUG-97

9 Romona ENGL 15-APR-01

10 Richard ENGL 1 13-MAY-01

13 Kelly MATH 4 12-AUG-01

14 Lujack COSC 1 12-FEB-97

15 Reva MATH 2 10-JUN-01

STNO SNAME MAJOR CLASS BDATE

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

17 Elainie COSC 1 12-AUG-96

19 Harley POLY 2 16-APR-02

20 Donald ACCT 4 15-OCT-97

24 Chris ACCT 4 12-FEB-98

31 Jake COSC 4 12-FEB-98

34 Lynette POLY 1 16-JUL-02

49 Susan ENGL 3 11-MAR-01

62 Monica MATH 3 14-OCT-01

70 Bill POLY 14-OCT-01

88 Smith 15-OCT-93

21 rows selected.

##############################5-5#################

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

2 FROM Cou c, Sec s

3 WHERE c.course\_number(+)=s.course\_num

4 ORDER BY instructor;

COURSE\_NAME INSTRUCTOR

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

INTRO TO COMPUTER SC ANDERSON

INTRO TO COMPUTER SC ANDERSON

ORGANIC CHEMISTRY CARNEAU

DISCRETE MATHEMATICS CHANG

ALGEBRA CHANG

Math Analysis CHANG

Math Analysis EMERSON

DATABASE HARDESTY

DATABASE HARDESTY

ENGLISH COMP II HERMANO

ENGLISH COMP II HERMANO

COURSE\_NAME INSTRUCTOR

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

ENGLISH COMP I HERMANO

ENGLISH COMP I HERMANO

FUND. TECH. WRITING HILLARY

FUND. TECH. WRITING HILLARY

WRITING FOR NON MAJO HILLARY

WRITING FOR NON MAJO HILLARY

INTRO TO COMPUTER SC JONES

DISCRETE MATHEMATICS KING

DATA STRUCTURES KNUTH

INTRO TO COMPUTER SC RAFAELT

TURBO PASCAL RAFAELT

COURSE\_NAME INSTRUCTOR

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

ACCOUNTING INFO SYST RODRIGUEZ

MANAGERIAL FINANCE RODRIQUEZ

ACCOUNTING II RODRIQUEZ

AMERICAN GOVERNMENT SCHMIDT

AMERICAN CONSTITUTIO SCHMIDT

SOCIALISM AND COMMUN SCHMIDT

DATABASE STONE

OPERATIONS RESEARCH

DISCRETE MATHEMATICS

INTRO TO CHEMISTRY

32 rows selected.

SQL> CREATE OR REPLACE VIEW courses AS

2 SELECT c.course\_name, s.instructor

3 FROM Cou c, Sec s

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

5 ORDER BY instructor;

View created.

SQL> SAVE courses;

Created file courses.sql

SQL> @courses

View created.

#######################5-5b####################

SQL> l

1 CREATE OR REPLACE VIEW courses AS

2 SELECT c.course\_name, s.instructor

3 FROM Cou c, Sec s

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

5\* ORDER BY instructor

SQL> del5

SQL> l

1 CREATE OR REPLACE VIEW courses AS

2 SELECT c.course\_name, s.instructor

3 FROM Cou c, Sec s

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

SQL> SAVE courses Rep;

Wrote file courses.sql

SQL> @courses;

View created.

SQL> l

1 CREATE OR REPLACE VIEW courses AS

2 SELECT c.course\_name, s.instructor

3 FROM Cou c, Sec s

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

SQL> SELECT \*

2 FROM (courses);

COURSE\_NAME INSTRUCTOR

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

ACCOUNTING II RODRIQUEZ

MANAGERIAL FINANCE RODRIQUEZ

ACCOUNTING INFO SYST RODRIGUEZ

INTRO TO COMPUTER SC JONES

INTRO TO COMPUTER SC ANDERSON

INTRO TO COMPUTER SC RAFAELT

INTRO TO COMPUTER SC ANDERSON

TURBO PASCAL RAFAELT

DATA STRUCTURES KNUTH

DATABASE STONE

DATABASE HARDESTY

COURSE\_NAME INSTRUCTOR

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

DATABASE HARDESTY

OPERATIONS RESEARCH

ENGLISH COMP I HERMANO

ENGLISH COMP I HERMANO

ENGLISH COMP II HERMANO

ENGLISH COMP II HERMANO

WRITING FOR NON MAJO HILLARY

WRITING FOR NON MAJO HILLARY

ALGEBRA CHANG

DISCRETE MATHEMATICS

DISCRETE MATHEMATICS CHANG

COURSE\_NAME INSTRUCTOR

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

DISCRETE MATHEMATICS KING

AMERICAN CONSTITUTIO SCHMIDT

AMERICAN GOVERNMENT SCHMIDT

SOCIALISM AND COMMUN SCHMIDT

FUND. TECH. WRITING HILLARY

FUND. TECH. WRITING HILLARY

INTRO TO CHEMISTRY

ORGANIC CHEMISTRY CARNEAU

Math Analysis CHANG

Math Analysis EMERSON

32 rows selected.

#####################5-5c#####################

SQL> SELECT \*

2 FROM (courses)

3 ORDER BY instructor;

COURSE\_NAME INSTRUCTOR

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

INTRO TO COMPUTER SC ANDERSON

INTRO TO COMPUTER SC ANDERSON

ORGANIC CHEMISTRY CARNEAU

DISCRETE MATHEMATICS CHANG

ALGEBRA CHANG

Math Analysis CHANG

Math Analysis EMERSON

DATABASE HARDESTY

DATABASE HARDESTY

ENGLISH COMP II HERMANO

ENGLISH COMP II HERMANO

COURSE\_NAME INSTRUCTOR

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

ENGLISH COMP I HERMANO

ENGLISH COMP I HERMANO

FUND. TECH. WRITING HILLARY

FUND. TECH. WRITING HILLARY

WRITING FOR NON MAJO HILLARY

WRITING FOR NON MAJO HILLARY

INTRO TO COMPUTER SC JONES

DISCRETE MATHEMATICS KING

DATA STRUCTURES KNUTH

INTRO TO COMPUTER SC RAFAELT

TURBO PASCAL RAFAELT

COURSE\_NAME INSTRUCTOR

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

ACCOUNTING INFO SYST RODRIGUEZ

MANAGERIAL FINANCE RODRIQUEZ

ACCOUNTING II RODRIQUEZ

AMERICAN GOVERNMENT SCHMIDT

AMERICAN CONSTITUTIO SCHMIDT

SOCIALISM AND COMMUN SCHMIDT

DATABASE STONE

OPERATIONS RESEARCH

DISCRETE MATHEMATICS

INTRO TO CHEMISTRY

32 rows selected.