###############################7-1###################

SQL> ;

1 SELECT s.stno

2 FROM Stu s, Sec c, Grrep g

3 WHERE s.stno(+)=g.student\_number

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

5 AND c.semester='FALL'

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

SQL> i

7 ;

STNO

----------

13

8

3

20

3

14

3

8

15

3

122

STNO

----------

129

121

123

24

3

2

17 rows selected.

SQL> SELECT s.stno

2 FROM Stu s

3 WHERE s.stno

4 IN (SELECT g.student\_number

5 FROM Stu s, Sec c, Grrep g

6 WHERE c.section\_id=g.section\_id

7 AND c.semester='FALL'

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

STNO

----------

129

123

13

121

20

14

2

24

8

3

15

STNO

----------

122

12 rows selected.

##################################7-2########################

SQL> SELECT s.sname, s.stno, x.course\_name

2 FROM Stu s, Sec c, Grrep g, Cou x

3 WHERE s.stno(+)=g.student\_number

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

5 AND c.course\_num=x.course\_number

6 AND x.course\_number LIKE 'ACCT%';

SNAME STNO COURSE\_NAME

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

Brenda 8 ACCOUNTING INFO SYST

Brenda 8 ACCOUNTING II

Kelly 13 ACCOUNTING II

Donald 20 ACCOUNTING INFO SYST

Chris 24 MANAGERIAL FINANCE

Chris 24 ACCOUNTING II

Lynette 34 MANAGERIAL FINANCE

Susan 49 ACCOUNTING INFO SYST

Susan 49 MANAGERIAL FINANCE

Monica 62 ACCOUNTING INFO SYST

Bill 70 ACCOUNTING INFO SYST

SNAME STNO COURSE\_NAME

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

Hillary 121 ACCOUNTING INFO SYST

Hillary 121 ACCOUNTING II

Phoebe 122 ACCOUNTING INFO SYST

Phoebe 122 ACCOUNTING II

Holly 123 ACCOUNTING INFO SYST

Holly 123 MANAGERIAL FINANCE

Holly 123 ACCOUNTING II

Sadie 125 ACCOUNTING INFO SYST

Sadie 125 MANAGERIAL FINANCE

Sadie 125 ACCOUNTING II

Jessica 126 ACCOUNTING INFO SYST

SNAME STNO COURSE\_NAME

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

Jessica 126 MANAGERIAL FINANCE

Jessica 126 ACCOUNTING II

Steve 127 ACCOUNTING INFO SYST

Steve 127 MANAGERIAL FINANCE

Steve 127 ACCOUNTING II

Brad 128 ACCOUNTING INFO SYST

Brad 128 ACCOUNTING II

Cedric 129 ACCOUNTING INFO SYST

Cedric 129 ACCOUNTING II

Alan 130 ACCOUNTING INFO SYST

Alan 130 ACCOUNTING II

SNAME STNO COURSE\_NAME

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

Losmith 151 MANAGERIAL FINANCE

Genevieve 153 MANAGERIAL FINANCE

Lindsay 155 MANAGERIAL FINANCE

Stephanie 157 MANAGERIAL FINANCE

Thornton 158 MANAGERIAL FINANCE

Lionel 163 MANAGERIAL FINANCE

Benny 161 MANAGERIAL FINANCE

Gus 160 MANAGERIAL FINANCE

Zelda 5 ACCOUNTING INFO SYST

Zelda 5 ACCOUNTING II

Mario 7 ACCOUNTING INFO SYST

SNAME STNO COURSE\_NAME

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

Mario 7 ACCOUNTING II

Romona 9 ACCOUNTING INFO SYST

Romona 9 ACCOUNTING II

Ken 6 ACCOUNTING INFO SYST

Ken 6 ACCOUNTING II

49 rows selected.

#################################7-3#########################

SQL> SELECT sname, major

2 FROM Stu

3 WHERE class=2;

SNAME MAJOR

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

Brenda COSC

Reva MATH

Harley POLY

Sadie MATH

Jessica POLY

Cedric ENGL

Alan COSC

Smithly ENGL

Sebastian ACCT

Jake MATH

10 rows selected.

###################################7-4#########################

SQL> SELECT d.dname

2 FROM D2M d, Cou c

3 WHERE c.offering\_dept(+)=d.dcode

4 AND (c.course\_number LIKE '\_\_\_\_3\_\_\_'

5 OR c.course\_number LIKE '\_\_\_\_4\_\_\_');

DNAME

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

Accounting

Accounting

Chemistry

Computer Science

Computer Science

Computer Science

Computer Science

Computer Science

English

English

English

DNAME

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

Political Science

12 rows selected.

SQL> SELECT d.dname

2 FROM D2M d, Cou c

3 WHERE c.offering\_dept(+)=d.dcode

4 AND (c.course\_number LIKE '\_\_\_\_1\_\_\_'

5 OR c.course\_number LIKE '\_\_\_\_2\_\_\_');

DNAME

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

Accounting

Accounting

Chemistry

Computer Science

Computer Science

Computer Science

English

English

Mathematics

Mathematics

Mathematics

DNAME

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

Mathematics

Mathematics

Political Science

Political Science

Political Science

16 rows selected.

SQL> CREATE OR REPLACE VIEW freshman AS

2 SELECT d.dname

3 FROM D2M d, Cou c

4 WHERE c.offering\_dept(+)=d.dcode

5 AND (c.course\_number LIKE '\_\_\_\_1\_\_\_'

6 OR c.course\_number LIKE '\_\_\_\_2\_\_\_');

View created.

SQL> SELECT \* FROM freshman;

DNAME

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

Accounting

Accounting

Chemistry

Computer Science

Computer Science

Computer Science

English

English

Mathematics

Mathematics

Mathematics

DNAME

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

Mathematics

Mathematics

Political Science

Political Science

Political Science

16 rows selected.

###################################7-5####################

SQL> SELECT p.course\_number, c.course\_name

2 FROM Prq p, Cou c

3 WHERE p.course\_number=c.course\_number;

COURSE\_NUMBER COURSE\_NAME

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

ACCT3333 MANAGERIAL FINANCE

CHEM3001 ORGANIC CHEMISTRY

COSC3320 DATA STRUCTURES

COSC3380 DATABASE

COSC3380 DATABASE

COSC5234 ADA - INTRODUCTION

ENGL1011 ENGLISH COMP II

ENGL3401 FUND. TECH. WRITING

ENGL3520 WRITING FOR NON MAJO

MATH5501 Math Analysis

POLY2103 AMERICAN GOVERNMENT

COURSE\_NUMBER COURSE\_NAME

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

POLY5501 POLITICS OF CUBA

12 rows selected.

##################################7-6########################

SQL> SELECT s.instructor

2 FROM Sec s, Cou c

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

4 AND credit\_hours IN (1,2,4);

INSTRUCTOR

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

JONES

ANDERSON

RAFAELT

ANDERSON

KNUTH

HILLARY

HILLARY

SCHMIDT

SCHMIDT

SCHMIDT

10 rows selected.

SQL> SELECT s.instructor

2 FROM Sec s, Cou c

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

4 AND NOT credit\_hours IN (3);

INSTRUCTOR

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

JONES

ANDERSON

RAFAELT

ANDERSON

KNUTH

HILLARY

HILLARY

SCHMIDT

SCHMIDT

SCHMIDT

10 rows selected.

###############################7-7#######################

SQL> CREATE TABLE Secretary

2 (dCode CHAR(4),

3 name VARCHAR2(20));

Table created.

SQL> INSERT INTO Secretary

2 VALUES ('ACCT', 'Sally');

1 row created.

SQL> INSERT INTO Secretary

2 VALUES ('COSC', 'Chris');

1 row created.

SQL> INSERT INTO Secretary

2 VALUES ('ENGL', 'Maria');

1 row created.

SQL> SELECT dname

2 FROM D2M

3 WHERE dcode IN (

4 SELECT dcode

5 FROM Secretary);

DNAME

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

Accounting

Computer Science

English

SQL> SAVE q77a;

Created file q77a.sql

SQL> SAVE q77a;

Created file q77a.sql

SQL>

SQL> SELECT dname

2 FROM D2M

3 WHERE NOT dcode IN (

4 SELECT dcode

5 FROM Secretary);

DNAME

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

Art

Chemistry

Mathematics

Political Science

SQL> SAVE q77b;

Created file q77b.sql

SQL> SAVE q77b;

Created file q77b.sql

SQL> INSERT INTO Secretary

2 (name)

3 VALUES ('Brenda');

1 row created.

SQL> @q77a;

DNAME

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

Accounting

Computer Science

English

SQL> @q77b;

no rows selected

SQL> SELECT dname

2 FROM D2M

3 WHERE NOT dcode IN (

4 SELECT dcode

5 FROM Secretary

6 WHERE dcode IS NOT NULL);

DNAME

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

Art

Chemistry

Mathematics

Political Science

SQL> SAVE q77b REPLACE;

Wrote file q77b.sql

SQL> SELECT dname

2 FROM D2M

3 WHERE dcode IN (

4 SELECT dcode

5 FROM Secretary

6 WHERE dcode IS NOT NULL);

DNAME

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

Accounting

Computer Science

English

SQL> SAVE q77a REPLACE;

Wrote file q77a.sql

SQL> COMMIT;

Commit complete.

##################################7-8################

SQL> SELECT AVG(capacity)

2 FROM Rm;

AVG(CAPACITY)

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

39.1111111

SQL> SAVE avgcap;

Created file avgcap.sql

SQL> SELECT c.course\_name

2 FROM Cou c, Sec x, Rm r

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

4 AND x.bldg=r.bldg

5 AND r.capacity>39;

COURSE\_NAME

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

WRITING FOR NON MAJO

WRITING FOR NON MAJO

FUND. TECH. WRITING

FUND. TECH. WRITING

ENGLISH COMP II

ENGLISH COMP II

ENGLISH COMP I

ENGLISH COMP I

ORGANIC CHEMISTRY

INTRO TO CHEMISTRY

ORGANIC CHEMISTRY

COURSE\_NAME

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

INTRO TO CHEMISTRY

12 rows selected.