##########################4-1#######################

SQL> SELECT COUNT (\*)

2 FROM Grrep;

COUNT(\*)

----------

209

SQL> SELECT COUNT (\*)

2 FROM Stu;

COUNT(\*)

----------

48

SQL> SELECT COUNT (\*)

2 FROM Sec;

COUNT(\*)

----------

32

\*\*\*\*\*\*I would expect 209\*48\*32=321024

SQL> SELECT COUNT (\*)

2 FROM Grrep, Stu, Sec;

COUNT(\*)

----------

321024

#############################4-2#######################

SQL> SELECT COUNT (Section\_ID)

2 FROM Sec;

COUNT(SECTION\_ID)

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

32

SQL> SELECT COUNT (DISTINCT Section\_ID)

2 FROM Sec;

COUNT(DISTINCTSECTION\_ID)

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

32

\*\*\*\*\*\*\*\*\*\*\*Section\_ID is PK

##########################4-3#####################

SQL> SELECT COUNT (\*)

2 FROM Stu s, Grrep g, Sec c

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

4 AND g.section\_ID=c.section\_ID;

COUNT(\*)

----------

209

SQL> SELECT COUNT (\*)

2 FROM Stu s, Grrep g, Sec c

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

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

5 AND c.course\_num LIKE '%ACCT%';

COUNT(\*)

----------

49

SQL> SELECT COUNT (\*)

2 FROM Stu s, Grrep g, Sec c

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

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

5 AND c.course\_num LIKE '%ACCT%'

6 AND g.grade

7 BETWEEN 'A' AND 'B';

COUNT(\*)

----------

17

SQL> SELECT s.sname, g.grade

2 FROM Stu s, Grrep g, Sec c

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

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

5 AND c.course\_num LIKE '%ACCT%'

6 AND g.grade

7 BETWEEN 'A' AND 'B';

SNAME GRA

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

Phoebe B

Cedric A

Hillary B

Holly B

Kelly B

Ken B

Chris B

Cedric B

Steve B

Jessica B

Sadie B

SNAME GRA

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

Holly B

Phoebe B

Hillary B

Brenda B

Mario B

Zelda B

17 rows selected.

#################################4-4A-C#############################

SQL> SELECT COUNT (sname)

2 FROM Stu

3 WHERE UPPER(sname) LIKE '%SMITH%';

COUNT(SNAME)

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

3

SQL> SELECT COUNT (sname)

2 FROM Stu

3 WHERE UPPER(sname) LIKE '%LD';

COUNT(SNAME)

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

1

#####################4-4D############################

1. no
2. yes
3. yes
4. yes

###################4-4E##################

No, because UPPER AND LOWER do not handle numerical data

UPPER AND LOWER are string functions

##########################4-4F######################

SQL> SELECT RPAD (sname,20,'.')

2 FROM Stu;

RPAD(SNAME,20,'.')

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

Lineas..............

Mary................

Brenda..............

Richard.............

Kelly...............

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

SQL> SELECT course\_name, course\_number

2 FROM Cou

3 WHERE UPPER(course\_number) LIKE '%COSC3%';

COURSE\_NAME COURSE\_NUMBER

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

DATA STRUCTURES COSC3320

DATABASE COSC3380

OPERATIONS RESEARCH COSC3701

##################################4-6##################

I’m not sure how to do this problem

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

SQL> SELECT COUNT (course\_num)

2 FROM Sec

3 WHERE course\_num LIKE 'MATH%';

COUNT(COURSE\_NUM)

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

6

SQL> SELECT COUNT (course\_num)

2 FROM Sec

3 WHERE course\_num LIKE 'MATH%';

COUNT(COURSE\_NUM)

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

6

##############################4-8###################

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

SQL> SELECT COUNT (\*)

2 FROM ALL\_TABLES;

COUNT(\*)

----------

131

SQL> SELECT owner, table\_name

2 FROM ALL\_TABLES

3 WHERE owner='wwt1';

no rows selected

SQL> SELECT \*

2 FROM ALL\_TABLES

3 WHERE rownum<3;

OWNER

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

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

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

######################################4-9#########################

SQL> SELECT COUNT(\*)

2 FROM Stu

3 WHERE sname IS NULL;

COUNT(\*)

----------

0

##################################4-10##########################

SQL> SELECT COUNT (\*)

2 FROM rearp.room

3 ;

COUNT(\*)

----------

10

SQL> SELECT SUM(capacity)

2 FROM rearp.room;

SUM(CAPACITY)

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

352

SQL> SELECT AVG(capacity)

2 FROM rearp.room;

AVG(CAPACITY)

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

39.1111111

SQL> SELECT MAX(capacity)

2 FROM rearp.room;

MAX(CAPACITY)

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

85

SQL> SELECT MIN(capacity)

2 FROM rearp.room;

MIN(CAPACITY)

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

22

SQL> SELECT NVL(capacity,40)

2 FROM REARP.ROOM;

NVL(CAPACITY,40)

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

85

35

60

35

22

40

25

25

25

40

10 rows selected.

SQL> SELECT NVL(capacity,40)

2 AVG(capacity)

3 FROM rearp.room;

AVG(capacity)

\*

ERROR at line 2:

ORA-00923: FROM keyword not found where expected

I’m not sure how to complete this syntax. The book does not discuss math operations yet.

#######################4-12###############################

SQL> SELECT MONTHS\_BETWEEN(MAX(bdate),MIN(bdate))/12

2 FROM Stu;

MONTHS\_BETWEEN(MAX(BDATE),MIN(BDATE))/12

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

12.7526882