###########################8-1###################

SQL> SELECT c.course\_name, COUNT(\*)

2 FROM Cou c, Prq p

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

4 GROUP BY c.course\_name

5 ORDER BY COUNT(\*) DESC;

COURSE\_NAME COUNT(\*)

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

DATABASE 2

Math Analysis 1

DATA STRUCTURES 1

POLITICS OF CUBA 1

ENGLISH COMP II 1

FUND. TECH. WRITING 1

AMERICAN GOVERNMENT 1

MANAGERIAL FINANCE 1

ORGANIC CHEMISTRY 1

WRITING FOR NON MAJO 1

ADA - INTRODUCTION 1

11 rows selected.

#######################8-2#####################

SQL> SELECT COUNT(\*)

2 FROM Stu

3 WHERE class=3;

COUNT(\*)

----------

7

###############################8-3################

SQL> SELECT class, COUNT(\*)

2 FROM Stu

3 WHERE major='MATH'

4 HAVING COUNT(\*)>2

5 GROUP BY class;

CLASS COUNT(\*)

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

2 3

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

SQL> SELECT grade, COUNT(\*)

2 FROM Grrep

3 GROUP BY grade;

GRA COUNT(\*)

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

95

D 2

B 50

A 17

C 36

F 9

6 rows selected.

###########################8-5####################

SQL> SELECT course\_num, COUNT(\*)

2 FROM Sec

3 GROUP BY course\_num

4 ORDER BY COUNT(\*) DESC;

COURSE\_NUM COUNT(\*)

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

COSC1310 4

MATH2410 3

COSC3380 3

ENGL1010 2

ENGL3401 2

ENGL1011 2

ENGL3520 2

MATH5501 2

CHEM2001 1

CHEM3001 1

COSC3701 1

COURSE\_NUM COUNT(\*)

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

ACCT3464 1

20 rows selected.

##############################8-6#####################

SQL> CREATE TABLE Fam

2 (name CHAR(20),

3 NOC NUMBER(2));

Table created.

SQL> INSERT INTO Fam

2 VALUES ('James', 2);

1 row created.

SQL> INSERT INTO Fam

2 VALUES ('Jim', 3);

1 row created.

SQL> INSERT INTO Fam

2 VALUES ('Tom', 5);

1 row created.

SQL> INSERT INTO Fam

2 VALUES ('Tony', 4);

1 row created.

SQL> INSERT INTO Fam

2 VALUES ('George', 1);

1 row created.

SQL> SELECT \* FROM Fam;

NAME NOC

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

James 2

Jim 3

Tom 5

Tony 4

George 1

SQL> COMMIT;

Commit complete.

SQL> SELECT COUNT(noc), SUM(noc), AVG(noc), MIN(noc), MAX(noc)

2 FROM Fam;

COUNT(NOC) SUM(NOC) AVG(NOC) MIN(NOC) MAX(NOC)

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

5 15 3 1 5

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

SQL> CREATE TABLE Emp

2 (name CHAR(20),

3 salary NUMBER(10,2),

4 location CHAR(20));

Table created.

SQL> INSERT INTO Emp

2 VALUES ('Jim', 25879.18, 'Factory');

1 row created.

SQL> INSERT INTO Emp

2 VALUES ('James', 84732.17, 'Administration');

1 row created.

SQL> INSERT INTO Emp

2 VALUES ('Tom', 32567.13, 'Factory');

1 row created.

SQL> INSERT INTO Emp VALUES ('Tony', 45284.35, 'Administration');

1 row created.

SQL> INSERT INTO Emp VALUES ('Edgar', 33847.23, 'Factory');

1 row created.

SQL> INSERT INTO Emp VALUES ('Frank', 140203.43, 'Engineering');

1 row created.

SQL> INSERT INTO Emp VALUES ('Fred', 120432.31, 'Engineering');

1 row created.

SQL> INSERT INTO Emp VALUES ('Robert', 34028.43, 'Factory');

1 row created.

SQL> INSERT INTO Emp VALUES ('Hugo', 65938.54, 'Administration');

1 row created.

SQL> INSERT INTO Emp VALUES ('Doug', 104839.33, 'Engineering');

1 row created.

SQL> SELECT \* FROM Emp;

NAME SALARY LOCATION

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

Jim 25879.18 Factory

James 84732.17 Administration

Tom 32567.13 Factory

Tony 45284.35 Administration

Edgar 33847.23 Factory

Frank 140203.43 Engineering

Fred 120432.31 Engineering

Robert 34028.43 Factory

Hugo 65938.54 Administration

Doug 104839.33 Engineering

10 rows selected.

SQL> SELECT location, AVG(salary)

2 FROM Emp

3 GROUP BY location

4 ORDER BY AVG(salary);

LOCATION AVG(SALARY)

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

Factory 31580.4925

Administration 65318.3533

Engineering 121825.023

##################################8-8#######################

SQL> SELECT s.instructor, COUNT(\*)

2 FROM Grrep g, Sec s

3 WHERE g.section\_id=s.section\_id

4 AND g.grade='A'

5 GROUP BY s.instructor

6 ORDER BY COUNT(\*);

INSTRUCTOR COUNT(\*)

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

RODRIGUEZ 1

ANDERSON 1

1

HERMANO 2

HARDESTY 2

KING 2

HILLARY 2

RAFAELT 6

8 rows selected.

#############################8-9####################

SQL> CREATE TABLE Employees

2 (name CHAR(20),

3 salary NUMBER(4),

4 title CHAR(20));

Table created.

SQL> INSERT INTO Employees (name, salary, title) VALUES ('Mary', 1000, 'Programmer');

1 row created.

INSERT INTO Employees (name, salary, title) VALUES ('Brenda', 3000, NULL);

1 row created.

SQL> INSERT INTO Employees (name, salary, title) VALUES ('Stephanie', NULL, 'Artist');

1 row created.

SQL> INSERT INTO Employees (name, salary, title) VALUES ('Alice', NULL, NULL);

1 row created.

SQL> INSERT INTO Employees (name, salary, title) VALUES ('Lindsay', 2000, 'Artist');

1 row created.

SQL> INSERT INTO Employees (name, salary, title) VALUES ('Christina', 500, 'Programmer');

1 row created.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*8-9a\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

SQL> SELECT \* FROM Employees;

NAME SALARY TITLE

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

Mary 1000 Programmer

Brenda 3000

Stephanie Artist

Alice

Lindsay 2000 Artist

Christina 500 Programmer

6 rows selected.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* 8-9b\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

SQL> SELECT COUNT(\*)

2 FROM Employees;

COUNT(\*)

----------

6

SQL> SELECT SUM(salary)

2 FROM Employees;

SUM(SALARY)

-----------

6500

SQL> SELECT MAX(salary), MIN(salary)

2 FROM Employees;

MAX(SALARY) MIN(SALARY)

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

3000 500

SQL> SELECT AVG(salary)

2 FROM Employees

3 WHERE salary IS NOT NULL;

AVG(SALARY)

-----------

1625

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* 8-9c\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

SQL> SELECT COUNT(\*)

2 FROM Employees;

COUNT(\*)

----------

6

SQL> SELECT SUM(NVL(salary,0)), MAX(NVL(salary,0)), MIN(NVL(salary,0)), AVG(NVL(salary,0))

2 FROM Employees;

SUM(NVL(SALARY,0)) MAX(NVL(SALARY,0)) MIN(NVL(SALARY,0)) AVG(NVL(SALARY,0))

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

6500 3000 0 1083.33333

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* 8-9d\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

SQL> SELECT title, AVG(salary)

2 FROM Employees

3 WHERE salary IS NOT NULL

4 GROUP BY title

5 ORDER BY AVG(salary);

TITLE AVG(SALARY)

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

Programmer 750

Artist 2000

3000

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* 8-9e\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

SQL> SELECT title, AVG(NVL(salary,0))

2 FROM Employees

3 GROUP BY title;

TITLE AVG(NVL(SALARY,0))

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

1500

Programmer 750

Artist 1000

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* 8-9f\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

SQL> l

1 SELECT NVL(title,'no job title'), AVG(NVL(salary,0))

2 FROM Employees

3\* GROUP BY title

SQL> i

4 ORDER BY AVG(NVL(salary,0));

NVL(TITLE,'NOJOBTITLE') AVG(NVL(SALARY,0))

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

Programmer 750

Artist 1000

no job title 1500

########################8-10#####################

SQL> l

1 SELECT s.instructor, c.course\_name, COUNT(g.grade)

2 FROM Sec s, Cou c, Grrep g

3 WHERE g.section\_id=s.section\_id

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

5 AND g.grade='A'

6 AND s.instructor IS NOT NULL

7 GROUP BY s.instructor, c.course\_name

8\* ORDER BY COUNT(g.grade) DESC

SQL> SAVE q810;

Created file q810.sql

SQL> @q810;

INSTRUCTOR COURSE\_NAME COUNT(G.GRADE)

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

RAFAELT INTRO TO COMPUTER SC 6

KING DISCRETE MATHEMATICS 2

HARDESTY DATABASE 2

HERMANO ENGLISH COMP II 2

RODRIGUEZ ACCOUNTING INFO SYST 1

HILLARY WRITING FOR NON MAJO 1

ANDERSON INTRO TO COMPUTER SC 1

HILLARY FUND. TECH. WRITING 1

8 rows selected. \*\*\*\*\*\*I can’t figure this one out\*\*\*\*\*\*