

# CS2550 Fall 2014

## SQL Assignment #9 - Expected Results

**1. Create an alphabetic listing of all instructors and the number of sections that they have taught. The number of sections can be null for instructors that have not taught any sections.**

FIRST_NAME	LAST_NAME	SECTIONS
-----	-----	-----
Rick	Chow	
Marilyn	Frantzen	10
Fernand	Hanks	9
Charles	Lowry	9
Anita	Morris	10
Gary	Pertez	10
Nina	Schorin	10
Todd	Smythe	10
Irene	Willig	
Tom	Wojick	10
<b>(10 Rows)</b>		

**2. List the course number of courses wherein students have received grades for every one of the defined grade types. Order by Course Number.**

COURSE_NO
-----
20
25
100
120
122
125
130
135
<b>(8 Rows)</b>

**3. List all of the zip codes in Flushing, NY and the number of students from each of the zip codes. Sort by zip code. Show 0 for zip codes with no students enrolled.**

ZIP	STUDENTS
-----	-----
11354	0
11355	2
11358	1
11366	1
<b>(4 Rows)</b>	

**4. List course number and description all of the Java courses and the total number of enrollments for each course. Arrange by course number. Show zero for courses with no students enrolled.**

COURSE_NO	DESCRIPTION	ENROLLMENTS
120	Intro to Java Programming	23
122	Intermediate Java Programming	24
124	Advanced Java Programming	8
125	Java Developer I	8
146	Java for C/C++ Programmers	3
350	Java Developer II	9
430	Java Developer III	0
450	DB Programming with Java	1

**(8 Rows)**

**5. List student ID and Name of all of the students in area code 617 along with the number of enrollments each has. If the student has not enrolled in any courses, display the word "none" in the enrollments column.**

**Alphabetize the list on last name and first name..**

STUDENT_ID	FIRST_NAME	LAST_NAME	ENROLLMENTS
253	Walter	Boremman	1
230	George	Kocka	1
278	Thomas E.	La Blank	2
396	James E.	Norman	none
108	Judy	Sethi	1

**(5 Rows)**

#### **Extra Credit**

**(Alternative form of Query #2)**

**6. List the course number of courses wherein students have received grades for every one of the possible grade types offered in the course. Order by Course Number.**

COURSE_NO	POSSIBLE_GRADETYPES	ACTUAL_GRADETYPES
124	6	5

**(1 Row)**