

CS2550 Fall 2014

SQL Assignment #4 – Expected Results

1. Create a query that returns the average cost for all courses. (Round to two places).

Average Cost

1198.45

(1 Row)

2. Create a query that returns the total number of Students that registered during January 2007. Alias the column as "January_Registrations".

January_Registrations

51

(1 Row)

3. Create a query that returns the average, highest and lowest final exam scores for Section 151.

AVERAGE	HIGHEST	LOWEST
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87.5

92

83

(1 Row)

4. List the city, state and number of zipcodes for all cities with more than three zipcodes. Arrange by state and city.

CITY	STATE	ZIPCODES
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Stamford	CT	4
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Jersey City	NJ	4
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Newark	NJ	4
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Brooklyn	NY	36
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Flushing	NY	4
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Jamaica	NY	5
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New York	NY	11
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(7 Rows)

5. Provide a list of Sections and the number of students enrolled in each section for students who enrolled on 2/21/2007. Sort from highest to lowest on the number of students enrolled.

SECTION_ID	ENROLLED
101	8
99	8
105	3
153	3
126	3
92	2
151	2
145	1
125	1
148	1
116	1
91	1
100	1
95	1

(14 Rows)

6. Create a query listing the student ID, Section ID and Average Grade for all students in Section 86. Sort your list on the student ID and display all of the average grades with 4 decimal places.

STUDENT_ID	SECTION_ID	AVERAGEGRADE
102	86	89.1818
108	86	85.6364
211	86	85.7273
212	86	84.0000
217	86	88.6364
230	86	88.7273

(6 Rows)

7. Create a query to determine the number of sections that student ID 250 is enrolled in. Your output should contain the student ID and the number of sections enrolled.

STUDENT_ID	SECTIONS
250	3

(1 Row)

8. List the section ID and lowest quiz score for all sections where the low score a B or better. (equal to or greater than 80).

Arrange by section id.

SECTION_ID	LOWSCORE
85	82
94	83
95	82
96	91
100	83
104	82
108	90
109	91
112	82
119	82
123	87
125	91
126	82
127	80
130	90
140	82
146	82

(17 rows)

9. List the names of Employers who employ more than five students.

Your output should contain the employer name and the number of student employees.

Arrange the output on the number of employees from lowest to highest.

EMPLOYER	EMPLOYEES
Crane Co.	6
New York Pop	8
Amer.Legal Systems	10
Electronic Engineers	15

(4 Rows)

10. List the section ID, number of participation grades and lowest participation grade for all sections with more than 15 participation grades.

Arrange by section id.

SECTION_ID	PARTICIPATION_GRADES	LOWEST_GRADE
82	24	73
88	60	70
133	36	70
137	24	75
144	24	72
155	60	72

(6 Rows)