**A:06**

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

**SELECT ROUND(AVG(cost), 2)**

**FROM COURSE;**

1. Create a query that returns the total number of Students that registered during February 2007. Alias the column as "February\_Registrations".

**SELECT COUNT(student\_id) AS "February\_Registrations"**

**FROM student**

**WHERE registration\_date BETWEEN '01-FEB-2007' AND '28-FEB-2007';**

1. Create a query that returns the average, highest and lowest final exam scores for Section 147.

**SELECT ROUND(AVG(numeric\_grade), 1) AS "Class Average",**

**MAX(numeric\_grade) AS "Class High",**

**MIN(numeric\_grade) AS "Class Low"**

**FROM grade**

**WHERE section\_id = 147;**

1. List the city, state and number of zip codes for all cities with more than one zip code.  
   Arrange by state and city.

**SELECT city, state, COUNT(zip) AS "Zip Codes per City"**

**FROM zipcode**

**GROUP BY state, city**

**ORDER BY state, city**;

1. Provide a list of Sections and the number of students enrolled in those sections for students who enrolled on 2/21/2007. Sort the output from highest to lowest on the number of students enrolled.

**SELECT section\_id, COUNT(student\_id) AS "Total Students/Section", enroll\_date**

**FROM enrollment**

**WHERE enroll\_date LIKE '21-FEB-07'**

**GROUP BY section\_id, enroll\_date**

**ORDER BY COUNT(student\_id) DESC;**

1. 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 the average grades as a number with four decimal places.

**SELECT student\_id, section\_id, ROUND(AVG(numeric\_grade), 4)**

**FROM grade**

**WHERE section\_id = 86**

**GROUP BY student\_id, section\_id**

**ORDER BY student\_id;**

1. 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.

**SELECT student\_id, COUNT(section\_id) AS "Total Sections"**

**FROM enrollment**

**WHERE student\_id = 250**

**GROUP BY student\_id;**

1. List the section ID and lowest quiz score for all sections where the low score is less than a B (less than 80).

**SELECT section\_id, MIN(numeric\_grade) AS "Lowest Quiz Grade"**

**FROM grade**

**WHERE grade\_type\_code = 'QZ' AND numeric\_grade < 80**

**GROUP BY section\_id**

**ORDER BY section\_id;**

1. List the names of employers who employ more than five students. Your output should contain the employer name and the number of student employees.

**SELECT employer, COUNT(student\_id) AS "Total Student Employees"**

**FROM student**

**GROUP BY employer**

**HAVING COUNT(student\_id) > 5**

**ORDER BY COUNT(student\_id) DESC;**

1. List the section ID, number of participation grades and the lowest participation grade for all sections that have more than 15 participation grades.

**SELECT section\_id,**

**COUNT(grade\_type\_code) AS "Total Grades Given",**

**MIN(numeric\_grade) AS "Lowest Grade"**

**FROM grade**

**WHERE grade\_type\_code = 'PA'**

**GROUP BY section\_id**

**HAVING (COUNT(grade\_type\_code)) > 15**

**ORDER BY "Total Grades Given" DESC;**