Assignment # 4:   Weightage: 5

Due Date: 18 November 2016

A note of warning: Start work on assignments as soon as they are given. Do not underestimate the demanding nature of this course. Expect the system to crash the night before your program is due. Aim to have it done the day before.

Submit the assignment on **slate**. Do not email me assignments after due date. It will not be accepted in any case. Students are required to submit actual content written in MS word or Pdf. Hand written/ Scanned assignments will not be accepted.

Use File1.sql and File2. sql attached to WinRAR

1. Write a SQL statement to make a report with customer name, city, order number, order date, order amount salesman name and commission to find that either any of the existing customer have placed no order or placed one or more orders by their salesman or by own.
2. Write a SQL statement to make a list for the salesmen who works either for one or more customer or not yet join under any of the customer who placed either one or more orders or no order to their supplier.
3. Find all departments where the total salary is greater than the average of the total salary at all departments.
4. Write a SQL statement to make a list for the salesmen who either work for one or more customer or yet to join any of the customer. The customer, may have placed, either one or more orders on or above order amount 2000 and must have a grade, or he may not have placed any order to the associated supplier.
5. Write a query to list all departments such that at least two of its course are taught in room V of building C in time slot 7.
6. Write a query to retrieve information of the instructor having 4th maximum salary from the instructor table. You can only use 2 sub queries at max.
7. Write a SQL statement to make a report with customer name, city, order no. order date, purchase amount for those customers from the existing list who placed one or more orders or which order(s) have been placed by the customer who are not in the list.
8. For each course show who has taught this course, building and room number, number of students registered in that course in each semester and max grade in that course.
9. List all the students with their courses and the teacher for each course along with semester, room of the course with building name where room is located, time slot, prereq for that course if any and the grade in each course.

10. List all the students with student name, department name, advisor name and the number of courses registered.
11. List all the teachers which has taught a course and the number of 'F' grades in that course are more than 10;
12. Issue a query to delete the entry for a student from the student table having 'F' grade in any course taught by a teacher from CS department
13. Write a SQL statement to make a list in ascending order for the salesmen who works either for one or more customer or not yet join under any of the customer.
14. Find the names and average salaries of all departments whose average salary is greater than the salary of the instructor that is in the 2nd row of the instructor table.
15. Find the average instructors' salaries of those departments where the average salary is greater than 42,000.

Note: Run all the queries by yourself and provide the screen shots in a pdf file. Zero level tolerance for plagiarized Assignment and will receive zero credit straight away.

Good Luck ☺ !