CS4350 Database Systems Lab#1
Given the following relation schemes:

Teacher = [CourseN, Quarter,TeacherName]
Course = [CourseN,CourseName, Nunit)
LocationNTime = [CourseN, Quarter , DayTime, RoomN]/ Examples of DayTime: M2:00AM,
W4:50PM, and T8:00PM. Note that DayTime is represented as a string.
Student = [studentName, CourseN, Quarter]

Express the following queries by SQL statements and test them using any appropriate database product. Submit screenshot s of your SQL statements and their outputs. Create your own table to test your SQL statements. Submit screenshots of the SQL statements and its output.

1. List the name of every teacher (distinct names) who teaches in RoomN '34' in Winter2011

2. List CourseN, CourseName, and TeacherName of every course meets on Monday PM.

3. List the name of every teacher who taught at least one course in RroomN '723.'

4. List the CourseN, Quarter, RoomN and DayTime of every course taught by ‘Karen Reed’ in the Spring 2005.

5. List the CourseN and TeacherName of every course taken by the student ‘Ron Smith’ or by the student ‘David Weidman.’

6. List the CourseN and Quarter of every course taught by ‘Karen Reed’ and met or meets in RoomN ‘713’.

7. List the name of every teacher who has taught the same course at least two times.

8. List the name of every teacher(distinct names) who has taught at least two different courses in the same or different quarters.

9. List the CourseN, CourseName, and Quarter which meets or met at least two times a week.

10. List the CourseN and CourseName of every course with number of units > 4.

11. List every course number and student's name who has taken the course at least twice.

12. Use '*' to list the CourseN, CourseName, Nunit, Quarter, TeacherName of every course sorted by CourseN ascending, CourseName descending.

13. List the CourseN and Quarter of every course taught by two different instructors in the same quarter ordered by the CourseN in descending order.