Lab 9

Subqueries

1. Find courses offered in both second semester 2009 and in 4th semester 2010
2. Find courses offered in second semester 2009 but not in 4th semester 2010
3. Find names of instructors with salary greater than that of some (at least one) instructor in the Biology department. (Use > SOME..)
4. Find names of instructors with salary greater than that of all instructors in the Biology department. (Use >ALL…)
5. Find all courses taught in both second semester 2009 and in 4th semester 2010 (Use exists)
6. Find the average instructors’ salaries of those departments where the average salary is greater than Rs 42,000.
7. Display the instructor names with average salary of their depts
8. Display the departments with avg salary>20000 (use with clause)
9. Find the name and salary of the instructors with highest salary (use with clause)
10. Find the departments with avg salary less than avg salary of university (use with clause)
11. Find all departments where the total salary is greater than the average of the total salary at all departments (use with clause)
12. For each dept, display the dept\_name and num of instructors
13. Display the names of instructors who earns more than twice the average salary of their dept
14. Display the departments having employees earning more than average salary of university
15. Delete all tuples in the *instructor* relation for those instructors associated with a department located in the Watson building.
16. Delete all instructors whose salary is less than the average salary of instructors
17. The students of history dept with total credits greater than 150 are added as instructors with salary 20000
18. Increase salaries of instructors whose salary is over Rs 100,000 by 3%, and all others receive a 5% raise
19. Recompute and update tot\_creds value for all students. Total credits will be sum of credits for the courses with grade other than F
20. Display the highest average salary provided by a department
21. Display the name of dept which pays the highest avg salary
22. For each course display the number of times it was offered
23. Display the name of the instructor with second highest pay