**SubQueries**

Using the Employee database created in earlier lab, do the following using sub-queries:



1. Who in the database is older than employee 5?
2. Find the employees with the highest salary in the company.
3. Find the address of the employees with the highest salary.
4. Find the department name of the departments with the employees having the highest pay.
5. Find the employees who earn more than employee 5.
6. Find the employees who has the same birthday as employee 5 and salary more than

Employee 5.

1. Display the project titles done by ‘Ms Sandhya’
2. Add a column budget to the department table. Find the first name of the employees who work in the department with the biggest budget.
3. Find the employees who work in the department with budget more than 1,00,000.
4. Find the address of employees who have done ‘order entry project’
5. Remove employees whose salary is less than the average salary of all employees.
6. Make employee of HR department with more than 9000 salary as ‘HR clerk’ with salary of 12000Rs.
7. Find the First name of the employees working in the ‘CS’ department.
8. Find the First name of the employees who work in the ‘CS’ or ‘ME’ or ‘EC’ department.
9. Find the First name of the employees working in the departments located in the first floor.
10. Find the employees who work in the same department as ‘Sreeraj’ and has a salary more than him.
11. Find the employees who have a salary more than the average salary of any of the departments.
12. Find the name of the employees who do not work in the project P1.
13. Find the employees who have salary more than employees whose name starts with ‘Ar’.
14. Find the departments that have a minimum salary more than department D1.
15. Increase the salary of the employees of the CS department by 1000.
16. Delete the employees from the employee table who work in ‘HR’ project.
17. Display the details of those employees if they belong to department ‘D1’ and has worked in a project for more than 10 hours. (Use EXISTS)
18. Find the id of projects which an employee named ‘Sooraj’ has not worked on. (Use NOT EXISTS)

Based on the university database, do the following queries:

1. Find the name of the instructors whose salary is more than at least one instructor of the Commerce department. (Hint: … > ANY)
2. Find the name of the instructors whose salary is more than all the instructors of the Commerce department. (Hint: … > ALL)
3. Find the name of the students who have not taken any course in 2017. (Use except)
4. Create the following table:

Organize (sid, sname, event\_name)

Find the name of students who have a cgpa more than 7 and also organized an event. (Use intersect)

1. Create the following table:

Lab\_Staff (Staffid, name, lab\_name)

Find the name of instructors and Lab staff.

1. Give a 5% salary raise to instructors whose salary is less than average salary of his department.
2. Find names of instructors with salary greater than that of some (at least one) instructor in the Biology department. (Use Self Join)

**select distinct** *T*.*name*

**from** *instructor* **as** *T*, *instructor* **as** *S*

**where** *T.salary* > *S.salary* **and** *S.dept name* = ’Biology’;