
Course: *Databases and Data Warehousing*

Instructor: *Prof. Divyakant Agrawal*

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Homework Assignment III

Assigned : *5:45 PM, 13th September*

Deadline : *11:55 PM, 20th September*

Instructions to load database

- Download the Database file from the link given below:
click here!
- Start Docker and copy the file to it:
click here!
- Open Mysql console and Delete database 'COMPANY' if it already exists.
- Now in Mysql console use command SOURCE <path to COMPANY.sql>.

Specify the following queries in SQL on the COMPANY database schema (100 points)

1. Print the names of all the employees who earn more than the average salary.
2. List the names of employees who are supervisors but have no dependents.
3. Print the names of all the employees in decreasing order of their throughput of making money (throughput is defined by the amount they earn per hour of their work).
4. Print the department name of the company in decreasing order of their average employee throughput.
5. List the names of projects and the number of employees that work on it in decreasing order of employee count.

6. For each department with more than 3 employees, retrieve the dept number and number of employees earning more than 37k.
7. Retrieve employee names of all the employees not working on either project 1 or 2. (make sure output has no duplicate SSN) (assume (Fname, Minit, Lname) is unique for an employee)
8. Retrieve the names of all employees who work in the department that has the employee with the highest salary among all employees.
9. Retrieve the names of all employees whose supervisor's supervisor has '888665555' for Ssn.
10. Retrieve the names of employees who make at least \$ 10,000 more than the employee who is paid the least in the company.