

January 2025 CSE 216

Online 1: Basic SQL (B1+B2)

Time: 45 min + Submission: 5 min

Total Mark: 5 * 5 = 25

1. Find the employee id, full name (first name <space> last name), department id, total monthly salary with commission percentage of the employees whose first name starts with 'D' and the fourth character of the last name is 'n' and works in departments with ID between 20 and 70. (Assume zero commission percentage for the employees with null commission percentage)
2. Display the job IDs of jobs that were held by at least two employees for a duration of at most 1500 days.
3. Show the department_id, minimum, maximum, and average salary of all departments except department_id 50. Sort the list in descending order of the difference between maximum salary and minimum salary of each department and then sort by average salary in ascending order. (The average salary value is rounded to four decimal digits)
4. For each manager who manages less than 10 employees, show the manager id, number of employees and the average salary of the employees managed by him/her. Show the outputs with an average salary less than 4000. Print the output in the ascending order of number of employees managed and if there is a tie then print those in descending order of average salary. Make sure any sort of null value is not printed.
5. Find the last name of those employees whose last name contains odd number of consonants.