January 2025 CSE 216

Online 1: Basic SQL (A1+A2)

Time: 45 min + Submission: 5 min   Total Mark: 5 * 5 = 25

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1. Count the number of employees hired during each quarter of the year. [Hint: You can convert a number (e.g., 1) into its corresponding month 'Jan' by using the function to_char (to_date (1, 'MM'), 'Mon')]

2. Display the full name (full name includes first name, a space and last name) of the employees formatted as right justified in the column, in such a way that a total 20 characters are shown including the name. Order the result in ascending order of the length of their full names.

3. Display the country id and address for each of the locations. Address should be generated in the format (street_address, city, state_province - postal_code). Your address should be displayed only when all the required fields are available. Order the result in lexicographic order of the country id. In case of any tie, break it by the reverse lexicographic order of the postal code.

4. For each department and each job, show the department id, job id, the first hiring date, the last hiring date and average salary. Show the outputs with an average salary more than 8000. Make sure any sort of null value is not printed and the average salary value is rounded to two decimal digits. Order the result by department id.

5. Show the full name (full name includes first name, a space and last name) and hire date of all employees whose first name starts with a consonant and the last name does not contain the letter B/b, and who have joined in November. Show the hire date along with the full name of the employees. Show the results in the lexicographical order of full name.