

CM1603 Database Systems

Tutorial 10

Write suitable SQL queries using the company database created for the MegaFirm case study.

- a) Write a query that displays the manager number and the salary of the lowest-paid employee for that manager. Exclude anyone whose manager is not known. Exclude any groups where the minimum salary is 47000 or less.
- b) Write a query that displays a list of job ids and job titles with the number of staff (i.e., a count of the numbers of employees) FOR EVERY job. Label the columns "Job Id", "Job Title" and "Staff Count".
- c) Write a query that displays job IDs found in the IT and Sales departments. For each of these job IDs, display the number of employees for this job (i.e., a count of the employees). Label the columns "Job Id", "Job Title" and "Staff Count". Display the job IDs with the highest number of employees first.
- d) Write a query that displays job IDs and job titles in the IT and Sales departments. For each of these job IDs, display the number of employees for this job (i.e., a count of the employees). Label the columns "Job Id", "Job Title" and "Staff Count".
- e) Write a query that displays the department numbers, last names and hire dates of all the staff who works in the same department as Taylor. Exclude Taylor. (Hint: check the number of staff called Taylor in your dataset).
- f) Write a query that displays the department numbers, last names and hire dates of all the staff who works in the same department as employees who have a surname that end with the letter 'v' and 'l'. Rank in descending order of department number.
- g) Write a query that displays the last names and salaries of all staff who earn strictly more than the lowest salary in department 30. (Hint: think of 2 different ways of writing this query).