

# Database Fundamentals

## Lab Sheet 6

In MySQL Workbench write answers to the following queries based on last weeks tables.

1. Save your queries as .sql documents, e.g.lab6.sql
2. Take **screen prints** of each query and answer in MySQL and save the **queries and answers** to the Word document

Create a zip file and call it (**B000XXXXXStudentNameLab6.zip** )

Copy the .sql files and the word document to the zipped file

Upload the zipped file (**B000XXXXXStudentNameLab6.zip**) to Moodle on or before the due date

All work must be uploaded on or before the due date.

## SQL Queries

1. Return all employees whose last name begins with 'b' and are not employed as clerks, presidents or managers
2. List all employee names, monthly salaries and annual salaries. Use the heading 'Annual Salary'.
3. Display each employee's name, position, department and the date they were hired. Sort the output in ascending order according to name.

## SINGLE ROW FUNCTION

4. Find today's date – use curdate()
5. Find the number of years each employee in the emp table has been employed – use datediff().

## GROUP FUNCTIONS

6. Find the total amount paid out in salaries.
7. Find the minimum salary of all employees. Use a label called "Minimum Salary".
8. Find the minimum, maximum, and average salaries of all employees. Label the headings "Minimum Salary", "Maximum Salary" and "Average Salary" for staff employed as salespeople.
9. Find out how many managers there are without listing them. Use the heading "Number of Manager". Use the mgr column.
10. How many employees are employed by the company?
11. How many employees are there in department 20?