Worksheet 2

Load the **week4.db** file (from Moodle) into MySQL and write SQL queries to solve the following problems:

1. Show the name and job title of any employee who is not a manager.

2. Show a list of all employee names that begin with an “S”.

3. Show the name and salary of any employee who earns less than 35000 and more than 25000.

4. For each Designer, print their name, job title and the name of the department they work in.

5. Calculate the weekly salary for each employee that does not work in department number 30 (assume each year has 52 weeks). This should be rounded to the nearest integer value.

6. List all the divisions that are in this company (no division should be listed twice).

7. Show the names of all departments that do not have a manager.

8. Find all Designers and Managers who work in either department 10 or department 30.

9. Find all employees who either joined the company before 2005 and have a salary less than 30000 or are managers that earn more than 40000.

10. Display the names of all employees who work in an office in Belfield, Donnybrook or Killiney.

11. For each department, find its name, its office location and the name of its manager (you can exclude any department that does not have a manager). The name of the manager should be displayed in a column named “manager_name”.

12. Make Leo Cullen (emp_no 6542) the manager of the Strategy department.

13. For each employee who joined in the years 2000 to 2009 (inclusive), show their name, salary and year they joined (in a column called “join_year”).
    - **HINT:** For this question you will need a date and time function that you have not seen before. (https://dev.mysql.com/doc/refman/8.0/en/date-and-time-functions.html). Have a look at the YEAR(…) function.

14. In this company, every employee gets a gift one year after they join the company. For any employee who joined less than one year ago, find their name and the date they will get their gift (the last column should be named “gift_date”).

- **HINT:** For this question you will need a date and time function that you have not seen before. Have a look at the DATE_ADD(…) and TIMESTAMPDIFF(…) functions.