# Mentoring session Week-2

Please ensure that HR database is created or downloaded from MySQL sample databases before getting started with this exercise.

Once MySQL workbench is launched, spend couple of minutes in familiarising participants with MYSQL Workbench.

Before taking this session, please ensure that participants are well aware and familiar with basic MYSQL commands.

1. Write a SQL query to print details of the employees whose first name starts with 'a' and contains only 4 alphabets.

2. Write a SQL query to print details of the employees whose first_name ends with 'h' and contains only 6 alphabets.

3. Retrieve all the distinct salary values from dataset

4. Write a SQL query to print the first name from employees table after removing white spaces from the right side.

5. Write a SQL query to print the first name from employees table after replacing ‘a’ with ‘A’.

6. Write a SQL query to fetch, if there are any duplicate records in the table.

7. Find the department_ids whose average salary is greate than 8000.

8. Write a sql query to fetch the details of an employee -- Generate another as commission percentage column. And wherever there are null values in this column, convert it to 0.

9. Find out how many employees are in department 80.

10. Write a query to get the number of employees with the same job.

11. Write a query to get the difference between the highest and lowest salaries.

12. Write a query to get the department ID and the total salary payable in each department.

13. Write a query to find the employees fullname, job_id, hire_date with the lowest salary who was hired between the year 1995 and 1997.

14. Write a query to get the job_id and related employee's id.

15. Write a query to find the details of employees and with eligibility criteria based on the following:
    a. If Hire_date is less than or equal to '1999-12-31'then eligible else not eligible

16. Write a query to assign tax slabs based on the following criteria:
    a. If salary less than or equal to 5000 then 'Tax slab A'
    b. If salary greater than 5000 and less than or equal to 10000 then 'Tax slab B'
    c. If salary greater than 10000 and less than or equal to 15000 then 'Tax slab C'
    d. Else 'Tax slab C'

17. Write a query to find the hire year of each employees

18. Write a query to find the count of employees hired in each year and sort them.