Mentoring Session Week 1

Pl. ensure that "hr_emp" 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 options as video has details of SQL lite and hence there is every chance that participants are not familiar with MYSQL Workbench.

Before taking this session, please ensure that participants are well aware and familiar with basic MYSQL commands as in this session focus in on Joins and subquery.

-- Using HR Employees dataset to answer the following questions:

Question 1

-- Create a HR Employees database.

Question 2

-- Write a query to view a structure of the table.

Question 3

-- Display the details of all employees working in the company.

Question 4

-- Display employee id , first name, last name and hiring date of employees, who work in department no 38.

Question 5

-- Retrieve the phone number, job id and salary of the employee whose name is 'Gopi Kumar'.

Question 6

-- Retrieve all the distinct salary values from the dataset.

Question 7

-- Fetch employees who were hired before 1991 February 4th.

Question 8

-- Write a SQL query to print details of the employees who joined the company in January 1983.(Order by hire date)

Question 9

-- Write a query to fetch employee details from department 77 and department 99.

Question 10

-- Write a query to fetch the details of the employees whose salary is in the range of 8000 to 9000.

 ## Question 11

 -- Write a SQL query to fetch the details of top 5 employees who earn the highest salary in the company

Question 12

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

Question 13

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

Question 14

-- Retrieve all the distinct salary values from dataset

Question 15

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

Question 16

-- Write a SQL query to print the first name from employees table after replacing 'a' with 'A'.

Question 17

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

Question 18

-- Select the names of employees whose salary is greater than the average salary of all employees in department 42.

Question 19

-- 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.

Question 20

-- Find out how many employees are in department 99.

Question 21

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

Question 22

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

Question 23

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

Question 24

-- Write a query to find the manager ID and the first name, last name and salary of the lowest-paid employee for that manager.

Question 25

-- Write a query to find the details of employees, who got hired very early and got commission percentage.

Question 26

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