Aggregate Functions

1. Write a query to list the number of jobs available in the employees table.
2. Write a query to get the total salaries payable to employees.
3. Write a query to get the minimum salary from employees table.
4. Write a query to get the maximum salary of an employee working as a Programmer
5. Write a query to get the average salary and number of employees working at the department 90.
6. Write a query to get the highest, lowest, average, and sum salary of all employees.
7. Write a query to get the number of employees with the same job.
8. Write a query to get the difference between the highest and lowest salaries.
9. Write a query to find the manager ID and the salary of the lowest-paid employee for that manager.
10. Write a query to get the department ID and the total salary payable in each department.
11. Write a query to get the average salary for each job ID excluding programmer.
12. Write a query to get the total salary, maximum, minimum, average salary of employees for department ID 90 only.
13. Write a query to get the job ID and maximum salary of the employees where maximum salary is greater than or equal to $4000.
14. Write a query to get the average salary for all departments employing more than 5 employees.

Subqueries

1. Write a MySQL query to find the name (first_name, last_name) and the salary of the employees who have a higher salary than the employee whose last_name='Austin'.
2. Write a MySQL query to find the name (first_name, last_name) of all employees who works in the IT department.
3. Write a MySQL query to find the name (first_name, last_name) of the employees who have a manager and worked in a USA based department.
4. Write a MySQL query to find the name (first_name, last_name) of the employees who are managers.
5. Write a MySQL query to find the name (first_name, last_name), and salary of the employees whose salary is greater than the average salary.
6. Write a MySQL query to find the name (first_name, last_name), and salary of the employees whose salary is equal to the minimum salary for their job grade.

7. Write a MySQL query to find the name (first_name, last_name), and salary of the employees who earns more than the average salary and works in any of the IT departments.
8. Write a MySQL query to find the name (first_name, last_name), and salary of the employees who earns more than the earning of Mr. Bell.
9. Write a MySQL query to find the name (first_name, last_name), and salary of the employees who earn the same salary as the minimum salary for all departments.
10. Write a MySQL query to find the name (first_name, last_name), and salary of the employees whose salary is greater than the average salary of all departments. 11. Write a MySQL query to display the employee ID, first name, last name, and department names of all employees.
11. Write a MySQL query to display the employee ID, first name, last name, and department names of all employees.
12. Write a MySQL query to display the employee ID, first name, last name, salary of all.
13. Write a MySQL query to find the 5th maximum salary in the employees table.
14. Write a MySQL query to find the 4th minimum salary in the employees table.
15. Write a MySQL query to select last 10 records from a table.
16. Write a MySQL query to list the department ID and name of all the departments where no
17. Write a MySQL query to get 3 maximum salaries.
18. Write a MySQL query to get 3 minimum salaries.

Joins

1. Write a MySQL query to find the addresses (location_id, street_address, city, state_province, country_name) of all the departments.
2. Write a MySQL query to find the name (first_name, last name), department ID and name of all the employees.
3. Write a MySQL query to find the name (first_name, last_name), job, department ID and name of the employees who works in London.
4. Write a MySQL query to find the employee id, name (last_name) along with their manager_id and name (last_name)
5. Write a MySQL query to find the name (first_name, last_name) and hire date of the employees who was hired after ‘Lex'.
6. Write a MySQL query to get the department name and number of employees in the department.

7. Write a MySQL query to find the employee ID, job title, number of days between ending date and starting date for all jobs in department 90.
8. Write a MySQL query to display the department ID and name and first name of manager.
9. Write a MySQL query to display the department name, manager name, and city.
10. Write a MySQL query to display the job title and average salary of employees.
11. Write a MySQL query to display job title, employee name, and the difference between salary of the employee and minimum salary for the job.
12. Write a MySQL query to display the job history that were done by any employee who is currently drawing more than 10000 of salary.
13. Write a MySQL query to display department name, name (first_name, last_name), hire date, salary of the manager for all managers whose experience is more than 15 years.

String Function

1. Write a MySQL query to get the job_id and related employee's id.
2. Write a MySQL query to update the portion of the phone_number in the employees table, within the phone number the substring '124' will be replaced by '999'.
3. Write a MySQL query to get the details of the employees where the length of the first name greater than or equal to 8.
4. Write a MySQL query to get the employee id, first name and hire month.
5. Write a MySQL query to find all employees where first names are in upper case.
6. Write a MySQL query to extract the last 4 character of phone numbers.
7. Write a MySQL query to get the locations that have minimum street length.
8. Write a MySQL query to display the length of first name for employees where last name contain character 'c' after 2nd position.
9. Write a MySQL query that displays the first name and the length of the first name for all employees whose name starts with the letters 'A', 'J' or 'M'. Give each column an appropriate label. Sort the results by the employees' first names.