Database System (Lab)

Instructor: Miss Marina Gul

Prepared by: Saifullah

Class: BS CS-II (Section A)

Date: 24th January 2025

Task 1:

Write a query to display the names (first_name, last_name) using alias name "First Name", "Last Name".

mysql> select first_name as First_Name, last_name as Last_Name from employees;

Task 2:

Write a query to get unique department ID from employee table.

mysql> select distinct department_id from employees;

Task 3:

Write a query to get all employee details from the employee table order by first name, descending.

mysql> select * from employees order by first_name desc;

Task 4:

Write a query to get the employee ID, names (first_name, last_name), salary in ascending order of salary.

mysql> select employee_id, first_name, last_name, salary from employees order by salary asc;

Task 5:

Write a query to get the total salaries payable to employees.

mysql> select salary from employees;

Task 6:

Write a query to get the maximum and minimum salary from employees table.

Maximum Salary:

mysql> select max(salary) from employees;

Minimum Salary:

mysql> select min(salary) from employees;

Task 7:

Write a query to get the average salary and number of employees in the employees table.

Average Salary:

mysql> select avg(salary) from employees;

Number of Employees:

mysql> select count(employee_id) from employees;

Task 8:

Write a query to get the number of jobs available in the employees table.

mysql> select count(job_id) from employees;

Task 9:

Write a query get all first name from employees table in upper case.

mysql> select upper(first_name) from employees;

Task 10:

Write a query to select first 10 records from a table.

mysql> select * from employees limit 10;

Task 11:

Write a query to select 3rd & 4th record of employees table.

mysql> select * from employees limit 3, 2;

Task 12:

Write a query to select 2nd last record of employees table

mysql> select * from employees order by employee_id desc limit 1, 1;