

Database System

Exercise 1 (SELECT Statement)

1. Write a query to display the names (first_name, last_name) using alias name "First Name", "Last Name".
2. Write a query to get unique department ID from employee table.
3. Write a query to get all employee details from the employee table order by first name, descending.
4. Write a query to get the employee ID, names (first_name, last_name), salary in ascending order of salary.
5. Write a query to get the total salaries payable to employees.
6. Write a query to get the maximum and minimum salary from employees table.
7. Write a query to get the average salary and number of employees in the employees table.
8. Write a query to get the number of jobs available in the employees table.
9. Write a query get all first name from employees table in upper case.
10. Write a query to select first 10 records from a table.
11. Write a query to select 3rd & 4th record of employees table.
12. Write a query to select 2nd last record of employees table.

Queries

1.mysql> SELECT first_name AS "First Name",
last_name AS "Last Name"FROM employees;

2. mysql> SELECT DISTINCT department_id FROM
employees;

3.mysql> SELECT *FROM employees ORDER by
first_name desc;

4.mysql> SELECT employee_id, first_name,
last_name, salary FROM employees ORDER BY
salary ASC;

5.mysql> SELECT SUM(salary) AS total_salaries
FROM employees;SELECT MAX(salary) AS
max_salary, MIN(salary) AS min_salary FROM
employees;

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6.mysql> SELECT max(salary) as "maximum salary" ,  
min(salary) as "minimum salary" from employees;
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7.mysql> SELECT AVG(salary) AS average_salary,  
COUNT(employee_id) AS num_employees FROM  
employees;
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8.mysql> SELECT COUNT(DISTINCT job_id) AS  
num_jobs FROM employees;
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9.mysql> SELECT UPPER(first_name) AS  
first_name_upper FROM employees;
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10.mysql> SELECT *FROM employees LIMIT 10;
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11.mysql> SELECT *FROM employees LIMIT 2  
OFFSET 2;
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12.mysql> SELECT *FROM employees ORDER BY  
employee_id DESC LIMIT 1 OFFSET 1;
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