1. **MySQL Restricting and Sorting Data Exercise: Write a query to display the names and salary for all employees whose salary is not in the specified range**

Write a query to display the names (first\_name, last\_name) and salary for all employees whose salary is not in the range $10,000 through $15,000.

SELECT first\_name, last\_name, salary FROM employees WHERE salary NOT BETWEEN 10000 AND 15000;

1. **MySQL Restricting and Sorting Data Exercise: Write a query to display the names and department ID of all employees in specified departments**

Write a query to display the names (first\_name, last\_name) and department ID of all employees in departments 30 or 100 in ascending alphabetical order by department ID.

SELECT first\_name, last\_name, department\_id FROM employees WHERE department\_id IN (30, 100) ORDER BY department\_id ASC;

# MySQL Restricting and Sorting Data Exercise: Write a query to display the names and salary for all employees whose salary is not in the specified range

Write a query to display the names (first\_name, last\_name) and salary for all employees whose salary is not in the range $10,000 through $15,000 and are in department 30 or 100.

SELECT first\_name, last\_name, salary, department\_id FROM employees WHERE salary NOT BETWEEN 10000 AND 15000 AND department\_id IN (30, 100);

1. **MySQL Restricting and Sorting Data Exercise: Write a query to display the names and hire date for all employees who were hired in 1987**

Write a query to display the names (first\_name, last\_name) and hire date for all employees who were hired in 1987.

SELECT first\_name, last\_name, hire\_date FROM employees WHERE YEAR(hire\_date) LIKE '1987%';

1. **MySQL Restricting and Sorting Data Exercise: Write a query to display the first\_name of all employees who have both an "b" and "c" in their first name**

Write a query to display the first\_name of all employees who have both "b" and "c" in their first name.

SELECT first\_name FROM employees WHERE first\_name LIKE '%b%' AND first\_name LIKE '%c%';

1. **MySQL Restricting and Sorting Data Exercise: Write a query to display the last name, job, and salary for all employees of specified degisnation and salary**

Write a query to display the last name, job, and salary for all employees whose job is that of a Programmer or a Shipping Clerk, and whose salary is not equal to $4,500, $10,000, or $15,000.

SELECT last\_name, job\_id, salary FROM employees WHERE job\_id IN ('IT\_PROG', 'SH\_CLERK') AND salary NOT IN (4500,10000, 15000);

1. **MySQL Restricting and Sorting Data Exercise: Write a query to display the last names of employees whose names have exactly 6 characters**

Write a query to display the last names of employees whose names have exactly 6 characters.

SELECT last\_name FROM employees WHERE last\_name LIKE '\_\_\_\_\_\_';

1. **MySQL Restricting and Sorting Data Exercise: Write a query to display the last names of employees having 'e' as the third character**

Write a query to display the last names of employees having 'e' as the third character.

SELECT last\_name FROM employees WHERE last\_name LIKE '\_\_e%';

1. **MySQL Restricting and Sorting Data Exercise: Write a query to display the jobs or designations available in the employees table**

Write a query to display the jobs/designations available in the employees table.

SELECT DISTINCT job\_id FROM employees;

1. **MySQL Restricting and Sorting Data Exercise: Write a query to display the names, salary and PF of all employees**

Write a query to display the names (first\_name, last\_name), salary and PF (15% of salary) of all employees.

SELECT first\_name, last\_name, salary, salary\*.15 PF from employees;

1. **MySQL Restricting and Sorting Data Exercise: Write a query to select all record from employees specified last name**

Write a query to select all record from employees where last name in 'BLAKE', 'SCOTT', 'KING' and 'FORD'.

SELECT \* FROM employees WHERE last\_name IN('JONES', 'BLAKE', 'SCOTT', 'KING', 'FORD');