# SQL Commands for Employees Table

## 1. SELECT

SELECT \* FROM Employees;

Summary: Retrieves all records and columns from the Employees table.

## 2. SELECT with WHERE

SELECT \* FROM Employees WHERE Department = 'IT';

Summary: Fetches records of employees who work in the IT department.

## 3. SELECT Specific Columns

SELECT FirstName, LastName FROM Employees;

Summary: Retrieves only the first and last names of all employees.

## 4. UPDATE

UPDATE Employees SET Salary = 85000 WHERE EmployeeID = 3;

Summary: Updates the salary of the employee with EmployeeID 3.

## 5. DELETE

DELETE FROM Employees WHERE EmployeeID = 2;

Summary: Deletes the record of the employee with EmployeeID 2.

## 6. ORDER BY

SELECT \* FROM Employees ORDER BY Salary DESC;

Summary: Retrieves all employees sorted by salary in descending order.

## 7. COUNT

SELECT COUNT(\*) FROM Employees;

Summary: Returns the total number of employees in the table.

## 8. GROUP BY

SELECT Department, COUNT(\*) FROM Employees GROUP BY Department;

Summary: Counts the number of employees in each department.

## 9. ALTER TABLE

ALTER TABLE Employees ADD Email VARCHAR(100);

UPDATE employees

SET email = 'john.doe@example.com'

WHERE employee\_id = 1;

UPDATE employees

SET email = 'jane.smith@example.com'

WHERE employee\_id = 2;

UPDATE employees

SET email = 'michael.brown@example.com'

WHERE employee\_id = 3;

UPDATE employees

SET email = 'sarah.wilson@example.com'

WHERE employee\_id = 4;

UPDATE employees

SET email = 'david.jones@example.com'

WHERE employee\_id = 5;

UPDATE employees

SET email = 'emma.taylor@example.com'

WHERE employee\_id = 6;

UPDATE employees

SET email = 'robert.clark@example.com'

WHERE employee\_id = 7;

UPDATE employees

SET email = 'olivia.martin@example.com'

WHERE employee\_id = 8;

Summary: Adds a new column 'Email' to the Employees table.

## 10. DROP TABLE

DROP TABLE Employees;

Summary: Deletes the Employees table and all its data permanently.

UPDATE employees

SET email = 'john.doe@example.com'

WHERE EmployeeID = 1;

UPDATE employees

SET email = 'jane.smith@example.com'

WHERE employeeid = 3;

UPDATE employees

SET email = 'michael.brown@example.com'

WHERE employeeid = 4;

UPDATE employees

SET email = 'sarah.wilson@example.com'

WHERE employeeid = 5;

UPDATE employees

SET email = 'david.jones@example.com'

WHERE employeeid = 6;

UPDATE employees

SET email = 'emma.taylor@example.com'

WHERE employeeid = 7;

UPDATE employees

SET email = 'robert.clark@example.com'

WHERE employeeid = 8;

UPDATE employees

SET email = 'olivia.martin@example.com'

WHERE employeeid = 9;