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-- MYSQL ASSIGNMENT 4 COMPLETE SOLUTION

CREATE DATABASE company;
USE company;

CREATE TABLE employees (
id INT PRIMARY KEY AUTO_INCREMENT,
name VARCHAR(100),
position VARCHAR(100),
salary DECIMAL(10,2),
date_of_joining DATE
);

INSERT INTO employees (name, position, salary, date_of_joining) VALUES
('John Doe', 'Manager', 55000.00, '2020-01-15'),
('Jane Smith', 'Developer', 48000.00, '2019-07-10'),
('Alice Johnson', 'Designer', 45000.00, '2021-03-22'),
('Bob Brown', 'Developer', 50000.00, '2018-11-01');

-- 3. Retrieve all employees who are Developers.
SELECT * FROM employees WHERE position = 'Developer';

-- 4. Update salary of Alice Johnson to 46000.
UPDATE employees SET salary = 46000 WHERE name = 'Alice Johnson';

-- 5. Delete employee record for Bob Brown.
DELETE FROM employees WHERE name = 'Bob Brown';

-- 6. Find employees with salary greater than 48000.
SELECT * FROM employees WHERE salary > 48000;

-- 7. Add a new column email.
ALTER TABLE employees ADD email VARCHAR(100);

-- 8. Update email for John Doe.
UPDATE employees SET email = 'john.doe@company.com' WHERE name = 'John Doe';

-- 9. Retrieve only name and salary of all employees.
SELECT name, salary FROM employees;

-- 10. Count employees who joined after Jan 1, 2020.
SELECT COUNT(*) FROM employees WHERE date_of_joining > '2020-01-01';

-- 11. Order employees by salary in descending order.
SELECT * FROM employees ORDER BY salary DESC;

-- 12. Drop email column.
ALTER TABLE employees DROP COLUMN email;

-- 13. Find the employee with the highest salary.
SELECT * FROM employees ORDER BY salary DESC LIMIT 1;
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