

# Beginner-Level SQL IQ Questions (With Hidden Answers)

## Find the Second Highest Salary

Q: How do you find the second highest salary from an employee table?

A: [Hidden - try to answer yourself first]

Answer: `SELECT MAX(salary) FROM employees WHERE salary < (SELECT MAX(salary) FROM employees);`

## Count Total Records

Q: How many records are there in the students table?

A: [Hidden - try to answer yourself first]

Answer: `SELECT COUNT(*) FROM students;`

## Names Starting With 'A'

Q: List all employees whose name starts with 'A'.

A: [Hidden - try to answer yourself first]

Answer: `SELECT * FROM employees WHERE name LIKE 'A%';`

## Swap Two Column Values

Q: Swap values in col1 and col2 in a table.

A: [Hidden - try to answer yourself first]

Answer: `UPDATE table_name SET col1 = col2, col2 = col1;`

## Find Duplicate Names

Q: How to find duplicate names in a table?

A: [Hidden - try to answer yourself first]

Answer: `SELECT name, COUNT(*) FROM users GROUP BY name HAVING COUNT(*) > 1;`

## Find Employees Without Manager

Q: How to find employees who have no manager assigned?

## Beginner-Level SQL IQ Questions (With Hidden Answers)

A: [Hidden - try to answer yourself first]

Answer: `SELECT * FROM employees WHERE manager_id IS NULL;`

### Check If Table is Empty

Q: How to check if a table has no records?

A: [Hidden - try to answer yourself first]

Answer: `SELECT * FROM table_name LIMIT 1;`

### Find Even Numbers

Q: Find all even numbers from a numbers table.

A: [Hidden - try to answer yourself first]

Answer: `SELECT * FROM numbers WHERE number % 2 = 0;`

### Count Students Per Class

Q: Find number of students in each class.

A: [Hidden - try to answer yourself first]

Answer: `SELECT class, COUNT(*) FROM students GROUP BY class;`

### Find Max Without MAX()

Q: Find highest salary without using MAX().

A: [Hidden - try to answer yourself first]

Answer: `SELECT salary FROM employees ORDER BY salary DESC LIMIT 1;`