

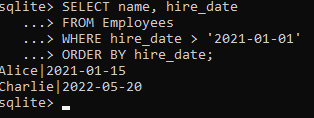
**Q1. Write a query to list the names of employees hired after January 1, 2021.**

SELECT name, hire\_date

FROM Employees

WHERE hire\_date > '2021-01-01'

ORDER BY hire\_date;

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**Q2. Write a query to calculate the average salary of employees in each department.**

SELECT

d.department\_name,

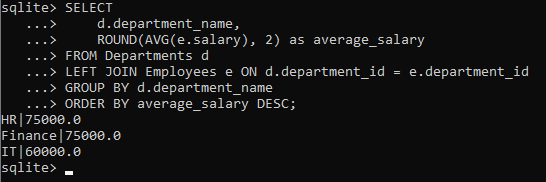
ROUND(AVG(e.salary), 2) as average\_salary

FROM Departments d

LEFT JOIN Employees e ON d.department\_id = e.department\_id

GROUP BY d.department\_name

ORDER BY average\_salary DESC;



**Q3. Write a query to find the department name where the total salary is the highest.**

SELECT

d.department\_name,

SUM(e.salary) as total\_salary

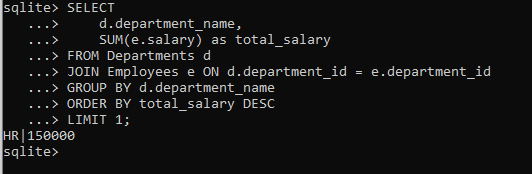
FROM Departments d

JOIN Employees e ON d.department\_id = e.department\_id

GROUP BY d.department\_name

ORDER BY total\_salary DESC

LIMIT 1;



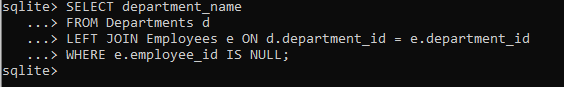
**Q4. Write a query to list all departments that currently have no employees assigned.**

SELECT department\_name

FROM Departments d

LEFT JOIN Employees e ON d.department\_id = e.department\_id

WHERE e.employee\_id IS NULL;

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**Q5. Write a query to fetch all employee details along with their department names.**

SELECT

e.employee\_id,

e.name,

e.hire\_date,

e.salary,

d.department\_name

FROM Employees e

JOIN Departments d ON e.department\_id = d.department\_id

ORDER BY e.employee\_id;

