

## 50 SQL SELECT Query Examples - From Easy to Advanced

**Query 1: SELECT \* FROM employees;**

id	name	salary	department_id	hire_date	manager_id
1	Ali	50000	1	2020-01-01	NULL
2	Rafi	60000	1	2021-02-15	1
3	Mina	45000	2	2019-06-20	1
4	Sumi	70000	3	2022-03-10	2

**Query 2: SELECT name, age FROM students;**

name	age
Arafat	20
Kabir	22
Nira	18

**Query 3: SELECT DISTINCT department\_id FROM employees;**

department_id
1
2
3

**Query 4: SELECT name FROM students WHERE age > 20;**

name
Kabir

**Query 5: SELECT name FROM students WHERE age BETWEEN 18 AND 25;**

name
Arafat
Kabir
Nira

**Query 6: SELECT \* FROM employees WHERE department\_id = 3;**

id	name	salary	department_id	hire_date	manager_id
4	Sumi	70000	3	2022-03-10	2

**Query 7: SELECT name FROM employees WHERE name LIKE 'A%';**

name
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Ali

**Query 8: SELECT name FROM employees WHERE name LIKE '%an%';**

No result.

**Query 9: SELECT name, salary FROM employees ORDER BY salary DESC;**

name   salary
----- -----
Sumi   70000
Rafi   60000
Ali   50000
Mina   45000

**Query 10: SELECT name FROM employees LIMIT 5;**

name
-----
Ali
Rafi
Mina
Sumi

**Query 11: SELECT COUNT(\*) FROM employees;**

COUNT(*)
-----
4

**Query 12: SELECT AVG(salary) FROM employees;**

AVG(salary)
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56250.0

**Query 13: SELECT MIN(salary) FROM employees;**

MIN(salary)
-----
45000

**Query 14: SELECT MAX(salary) FROM employees;**

MAX(salary)
-----
70000

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**Query 15: SELECT department\_id, COUNT(\*) FROM employees GROUP BY department\_id;**

department_id	COUNT(*)
1	2
2	1
3	1

**Query 16: SELECT department\_id, AVG(salary) FROM employees GROUP BY department\_id;**

department_id	AVG(salary)
1	55000.0
2	45000.0
3	70000.0

**Query 17: SELECT department\_id, COUNT(\*) FROM employees GROUP BY department\_id HAVING**

department_id	COUNT(*)
1	2

**Query 18: SELECT \* FROM students WHERE age IN (18, 21, 25);**

id	name	age	course_id
3	Nira	18	NULL

**Query 19: SELECT name FROM students WHERE NOT age = 20;**

name
Kabir
Nira

**Query 20: SELECT \* FROM employees WHERE hire\_date > '2020-01-01';**

id	name	salary	department_id	hire_date	manager_id
2	Rafi	60000	1	2021-02-15	1
4	Sumi	70000	3	2022-03-10	2

**Query 21: SELECT e.name, d.name FROM employees e JOIN departments d ON e.department\_id = d.department\_id;**

name	name
Ali	HR
Rafi	HR

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	Mina		IT	
	Sumi		Sales	

**Query 22: SELECT s.name, c.name FROM students s LEFT JOIN courses c ON s.course\_id = c.id;**

	name		name	
	-----		-----	
	Arafat		Math	
	Kabir		Science	
	Nira		NULL	

**Query 23: SELECT name FROM employees WHERE salary IS NOT NULL;**

	name	
	-----	
	Ali	
	Rafi	
	Mina	
	Sumi	

**Query 24: SELECT UPPER(name) FROM employees;**

	UPPER(name)	
	-----	
	ALI	
	RAFI	
	MINA	
	SUMI	

**Query 25: SELECT LENGTH(name) FROM students;**

	LENGTH(name)	
	-----	
	6	
	5	
	4	