

## SELECT

[employees]

| id | first_name | last_name | department | salary | hire_date  | city     |
|----|------------|-----------|------------|--------|------------|----------|
| 1  | Doe        | Sam       | IT         | 50000  | 2018-06-15 | New York |
| 2  | Smith      | Jane      | HR         | 40000  | 2019-07-20 | Chicago  |
| 3  | Johnson    | Mike      | Finance    | 60000  | 2017-09-30 | LA       |
| 4  | Brown      | Sarah     | IT         | 53000  | 2021-03-25 | NY       |
| 5  | White      | David     | Marketing  | 52000  | 2016-06-10 | SF       |
| 6  | Davis      | Emily     | IT         | 62000  | 2015-02-16 | Chicago  |
| 7  | Wilson     | Robert    | Finance    | 59000  | 2019-10-01 | Houston  |
| 8  | Moore      | Jessica   | HR         | 51000  | 2018-01-22 | LA       |
| 9  | Clark      | Daniel    | Marketing  | 53000  | 2022-06-01 | Chicago  |
| 10 | Hall       | Laura     | IT         | 50000  | 2020-08-10 | SF       |

① SELECT \* FROM employee;

② SELECT DISTINCT department  
FROM employee;

| Department |
|------------|
| IT         |
| HR         |
| Finance    |
| Marketing  |

③ SELECT first\_name, last\_name  
FROM employee

ORDER BY salary DESC;

| first_name | last_name | salary |
|------------|-----------|--------|
| Smith      | Jane      | 40000  |
| Hall       | Laura     | 50000  |
| Moore      | Jessica   | 51000  |
| White      | David     | 52000  |

goes with Desc and Asc



First - Name  
 ④ SELECT ~~name~~, salary  
 FROM employee  
~~LIMIT 5;~~  
 ORDER BY salary DESC  
 LIMIT 5;

## LIMIT

- Restric the number of Rows Returned.
- when you want to preview data.

| First name | Salary |
|------------|--------|
| Emily      | 62000  |
| Mike       | 60000  |
| Robert     | 59000  |
| Brian      | 53000  |
| Clark      | 53000  |

⑤ SELECT First-name, last-name  
 FROM employee  
 WHERE Department = IT;

| First-name | Last-name | Department |
|------------|-----------|------------|
| John       | Deo       | IT         |
| Sigith     | Brian     | IT         |
| Laura      | Wall      | IT         |

⑥ SELECT First name, department, salary  
 FROM employee  
 WHERE = 'Financial department' ~~salary~~ AND salary > 55000;

⑦ SELECT First name, department  
 FROM employee  
 WHERE 'HR department' OR 'Marketing department';



⑧ SELECT first\_name, last\_name, department  
FROM employee  
WHERE department NOT 'IT';

⑨ SELECT first\_name, last\_name, department  
FROM employee  
WHERE department IN 'HR', 'IT', 'Finance';

⑩ SELECT first\_name, last\_name, department, salary, city  
FROM employee  
WHERE department = 'IT'  
AND salary > 5000  
AND city = 'New York';

⑪ SELECT first\_name, last\_name, department, salary  
FROM employee  
WHERE department = 'Finance' OR 'Marketing'  
AND salary > 52000  
ORDER BY salary DESC;

⑫ SELECT DISTINCT cities  
FROM employee  
WHERE department IN 'IT', 'HR';

⑬ SELECT first\_name, last\_name, department, salary, hire\_date  
FROM employee  
WHERE department NOT 'Finance'  
AND salary < 50,000  
ORDER BY hire\_date ASC;



⑭ SELECT first-name, last-name, id, department, city  
FROM employee

WHERE city = 'chicago', 'los Angeles'

AND department = 'IT' 'Marketing'

limit 3;

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