

## SELECT

[employees]

Id	First-name	Last-name	department	salary	hire-date	city
1	Doe	Jon	IT	\$3000	2016-06-15	New York
2	Smith	Jane	HR	4000	2019-07-20	Chicago
3	Johnson	Mike	Finance	6000	2017-09-30	LA
4	Brown	Sarah	IT	5000	2021-03-25	NY
5	White	David	Marketing	52000	2018-06-10	SF
6	Davis	Emily	IT	62000	2015-02-16	Chicago
7	Wilson	Rebecca	Finance	59000	2014-10-01	London
8	Moore	Jessica	HR	51000	2018-01-22	LA
9	Clark	David	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	45000
Hall	Laura	50000
Moore	Jessica	51000
White	David	52000

DESC with DESC and ASC

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

LIMIT

- Restrict the number of rows returned.
- when you want to preview data

First name	Salary
Emily	62000
Mike	60000
Robert	59000
Brown	53000
Clark	53000

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

First-name	Last-name	Department
John	Doe	IT
Sarah	Brown	IT
Laura	Wall	IT

⑥ SELECT first-name, department, salary  
 FROM employee  
 WHERE = Financial department ~~AND~~ AND salary > 5000;

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;