

Exercise SQL Fundamentals

1. Select *

From employees;

Id	First-name	Last-name	Department	Salary	Hire-date	City	State
1	John	Doe	IT	55000	2018-04-15	Chennai	Tamil Nadu
2	Jane	Smith	HR	48000	2019-07-30	New York	New York
3	Mike	Johnson	Finance	60000	2017-09-20	Chicago	Illinois
4	Sarah	Brown	IT	53000	2021-03-25	Los Angeles	California
5	David	White	Marketing	52000	2016-04-10	New York	New York
6	Emily	Davis	IT	62000	2015-02-14	San Francisco	California
7	Robert	Wilson	Finance	59000	2019-10-01	Chicago	Illinois
8	Jessica	Moore	HR	51000	2018-05-22	Houston	Texas
9	Daniel	Clark	Marketing	53000	2022-06-01	Los Angeles	California
10	Laura	Hall	IT	50000	2020-08-10	Chicago	Illinois

2. Select Distinct department

From employees;

department

IT

HR

Finance

Marketing

3. Select First-name, last-name

From employee

ORDER BY salary DESC;

First-name	Last-Name
1. Emily	Baivs
2. Mike	Jonhson
3. Robert	Wilson
4. Jonh	Doe
5. Sarah	Brown
6. Daniel	Clarke
7. David	White
8. Jessica	Moure
9. Laura	Hall
10 Jane	Smith

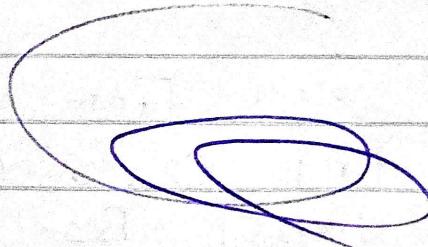
4.

Select Top 5 First-Name, Last-name

From Employees

ORDER BY Salary DESC;

First-Name	Last-Name
Emily	Baivs
Mike	Jonhson
Robert	Wilson
Jonh	Doe
Sarah	Brown



5. Select First-name, Last-name
From employees
WHERE Department = 'IT'.

First-name	Last-name
John	Doe
Sarah	Brown
Emily	Bauer
Laura	Hall

6. Select First-name, Last-name
From employees
WHERE department = 'Finance' AND Salary > 5000.

First-name	Last-name
Mike	Jackson
Robert	Wilson

7. Select First-name, Last-name
From employees
WHERE department = 'HR' OR department = 'Marketing'

First-name	Last-name
Jane	Smith
David	White
Jessica	Moore
Daniel	Clancy

8. Select First-name, Last-name
From employee
WHERE department NOT IN ('IT'),

First-Name	LAST-Name
Jane	Smith
Mike	Johson
David	White
Robert	Wilson
Jessica	Moore
Daniel	Clarke

9. Select First-name, Last-name
From employee
WHERE department IN ('HR', 'IT', 'Finance'),

First-Name	LAST-Name
John	Doe
Jane	Smith
Mike	Johson
Sarah	Brown
Emily	Quir
Robert	Wilson
Jessica	Moore
Laura	Hall

10. Select First-Name, Last-Name
From employees
department = 'IT' AND salary > 50000 AND
City = New York;

First-Name	Last-Name
John	Doe
Sarah	Brown

11. Select First-Name, Last-Name
From Employees_DB
WHERE (DEPARTMENT = 'Finance' OR DEPARTMENT
= 'Marketing') AND SALARY > 50000
ORDER BY SALARY DESC;

First-Name	Last-Name
Mike	Jont Sun
Robert	Wilson
Daniel	Clarice

12. Select DISTINCT CITY
From Employees
WHERE Department NOT IN ('IT', 'HR'),

CITY
Chicago
Los Angeles
Houston
San Francisco

13. Select first-name, last-name
From employee

WHERE department NOT IN ('Finance') AND
Salary > 50000
ORDER BY hire-date ASC;

First-Name	Last-Name
Emily	Davir
David	White
John	Hoe
Jessica	Moore
Sarah	Brown
Daniel	Clarke

14. Select Top 3 first-name, last-name
From employee

WHERE (CITY = 'Chicago' OR CITY = 'Los Angeles')
AND DEPARTMENT IN ('IT', 'Marketing');

First-Name	Last-Name
Emily	Davir
Daniel	Clarke