BRIGHTLIGHT TUTORIALS
EXERCISE 1: SOL FUNDAMENTALS
11 MARCH 2025.

- 1. SELECT * FROM employees;

 RNSWER whole table would return as is.
- 2. SELECT DISTINCT department. FROM employees.

	DEPARTMENT
	IT
	HR
	FINANCE
	MARKETING
-	

3. SELECT first_name, last_name

FROM employees ORDER BY salary DESC

	V	
rist_name	last = name	SALary
Enily	Davis	62 000
Mike	Lohnson	60 000
Robert	Wilson	59 000
John	Doe	55 000
Sarah	Brown	58 000
Daniel	Clark	53 000
David	White	52 000
Jess 1 ce	Moore	51000
Laura	, uell	50000
Jane	Swith	48000

4. LIMIT Statement.

SELECT

First-name,

last-name,

Salary

FROM employees

ORDER BY salary DESC

LIMITS;

First_rane	last-name	Salary
Emily	Davis	62 000
Mike	Johnson	60 000
Robert	Wilson	59 000
John	Doe	55 000
Sarah	Brown	53 000

5. WHERE Statement.

SELECT * From employees WHERE department = 'IT' SELECT First_name, last_name, department.

First-rame	lest-neme	olepartment
John	Doe	IT
sarah	Brown	IT
Emily	Davis	IT.
Laura	Hall	IT

6. AND Statement. SELECT* FROM employees WHERE elepartment = 'Finance'
AND salary > 58 000

-	hire date	salary	department	last-name	First_name	101
City		J	timance	Johnson	Mike	3
Los Arg	2017-09-3	60 000		161:10-	Robert	7
	2019-10-101		Finance	Wilson		

7. OR Statement.

SELECT *

FROM employees

WHERE department = 'HR' OR department = 'Marketing'

1			V	-		9
1d	pirst_rame	last name	oleputment	salary	hiredate	City
2	Jane	Smith	HZ	48 000	2019-09-20	1
5	David	White	Marketing	50 000	2016 -04-10	es to
8	Jessica	Moore	HR	51 000	2018-05-22	Las Assolu
9	Dariel	Clark	Marketing	53 000	2022 21	Chicaco

8. NOT statement

FROM employees

WHERE NOT department = IT

	1	1	1 -			
101	first-name	last-name	olopart ment	salan	Wire date	
2	Jane	Snith	HR	48 00D		city
3	Mike	Jakason -	Finance		2019-09-20	Chiago
5	David	White	Marketing	60 000	2017-09-30	
7	Robert	Wilson		52 000	2016-04-10	Santrancisco
		17/1001	Firance	59 00	2019-10-01	Houston

9. IN Statement.

SELECT

first_name, last-name,

olepartment
FROM employees
WHERE department IN ('HR', 'Marketing', 'Finance')

First rame	last name	elapatment
Jane -	Shirth	He
Milce	Johnson	Firance
David	White	Marketing
Robert	Wilson	France
Jessice	Moore	
Dariel	Clark	Finance

10. COMBINING CONDITIONS.

SELECT

First_name,

last_name,

department. From employees

INHERE salary > 50 000;

AND city = New York WHERE department To

tinst name last-name	department	Salary	
John Doe	IT	55 00	Sty New To
Sarah Brown	IT	53 00	New York

11 COMBINING WHER, AND, and ORDER BY

SELECT

prot_name, last_name,

FROM employees

WHERE department = Finance' OR department = Marketing

AND 3019 > 52 000

ORDER BY salary DESC

ist-name	last-rane	departmen	salary
Mike	Johnson	Firance	60 000
Robert	Wilson	Finance	59 000
Daniel	Clark	Marketing	53 000

12. COMBINING SELEG DISTINCT, WHERE and IN.

SELECT DISTINCT City

FROM employees

WHERE NOT department = "IT' AND department = 'HR'

los Angeles

San Francisco

Houston

Chicago

13. Combining INHERE, NOT, AND, and ORDER BY SELECT*

FROM employees
WHERE NOT department = 'IT' AND salary =>52 000
ORDER BY here-date ASC

d	pist_name		olepartment	selan	hiredate	
1	Enily	Davis	27	62 000		
5	David	White	Marketing	52000	2015-02-04	Chicago
8	Jessica	moore	HE	51 000	2016-04-10	San Francisc
1	John	Doe	7-		2018-05-22	Las Angelas
1	John	Ove	IT	55 600	2018-0615	New York
4.	Sarah	Brown	IT	53 000		New York,
4	Daniel	Clark	Marketing	53 000	2027 00 23	san Francisk
1					20-06-0	Jan trancker

14. Combining INHERE, OR, IN and UMIT SELECT pirot name,

eity, department

FROM employees
WHERE city IN ('chicago' OR city = 'Los Angeles')
WHERE department = 'IT' OR department = 'Marketing;

LIMIT3;