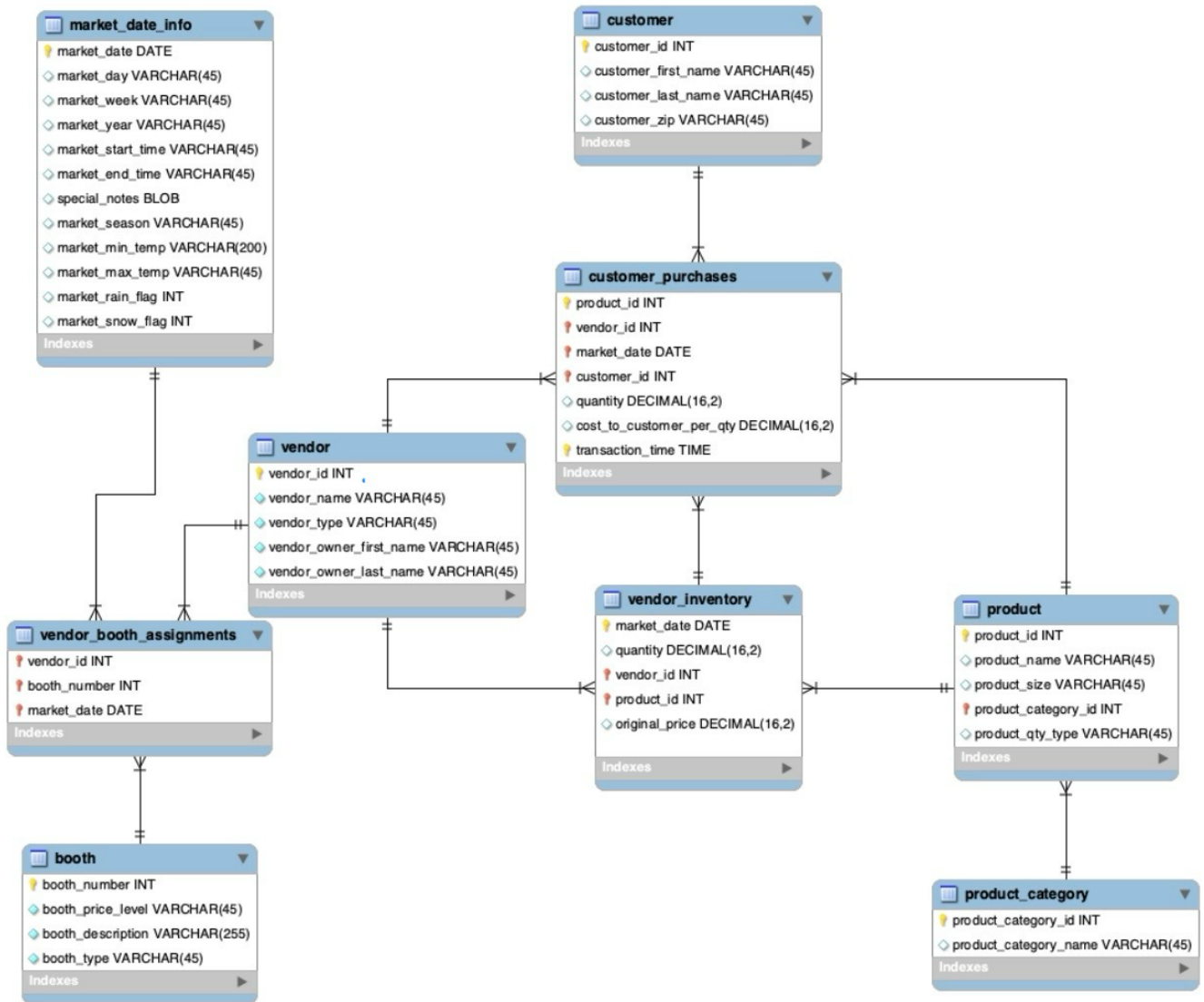


Agenda

1. SQL Commands ✓
2. SELECT Query ✓
3. ORDER BY ✓
4. LIMIT & OFFSET ✓
5. Inline Calculation ✓
6. Alias (AS) ✓
7. ROUND() function ✓
8. CONCAT ✓
9. UPPER, LOWER ✓
10. SUBSTR ✓
11. WHERE clause ✓
12. AND, OR, NOT ✓
13. IN, BETWEEN ✓
14. LIKE, Wildcard CONCAT ✓
15. UPPER, LOWER ✓
16. SUBSTR ✓
17. WHERE clause ✓
18. AND, OR, NOT ✓
19. IN, BETWEEN ✓
20. LIKE, Wildcards ✓
21. DISTINCT
22. NULL vs. Blank ✓
23. IS NULL, IS NOT NULL ✓
24. TRIM()
25. IFNULL() ✓
26. Subqueries ✓
27. CASE Statement
28. IF Function





MySQL / Big Query ✓



SQL \Rightarrow grammar

✓ Create table abc ;
↳ table

abc X create

Select
From
where
Group by
having
order by
limit
offset

filter

?

filter used with
group by

Sorting

show x no of records

Jump x no of
rows

↓

1	700	1	A	IT	100
2	400	2	B	AD	200
3	300	3	C	AD	400

Ans \rightarrow Get me
the 3rd
highest salary.

3	300	4	D	IT	300
4	200	5	E	AD	700
5	100				

employee

Limit

⊗

offset

→ Select * from employee
order by salary desc

Limit 1 offset 2
→ 300

300
200
100

* offset is always used with Limit
but Limit can be used without offset

Functions :-

PO = 7

MySQL built functions

Jane

Connor

JANE CONNOR

JANE → JANE

1 2 3 4

lower (Substong (Iane, 1, 1)) $\Rightarrow I \Rightarrow J$

\Rightarrow Substong (Col-name, (Index), Size)

\Rightarrow Substong (Tone, 2, 4) = ?
ane

I1	I2	O
T	T	T
T	F	F
F	T	F
F	F	F

I1	I2	O
T	F	T
F	T	T
T	T	T
F	F	F

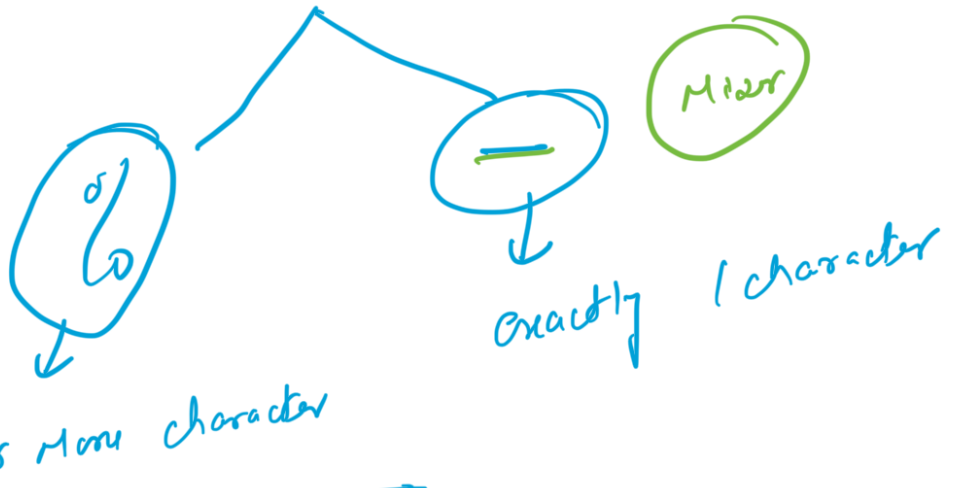
I/O	O/P
T	F
F	T

NOT

OR

AND

Like operator (Pattern Matching)



Autumn

✓ (1) A %

✓ (2) Aut %

✗ (3) % ut m %

(4) % n

1, 2, 4

Autumn

↓
A + %

✓ (a)

(6)

(b) - % ✓

✗ (c)

--- ✗ --- ✗
(5)

(2) % m

a b d

1 if (a) ✓

2 if (b) T

3 if (c) T

4 if (d) T

5

Print "I am done"

✓ Coalesce = will print/show/take
1st non null value.

↓
Coalesce (null, null, null, null, null,
null)

→ null