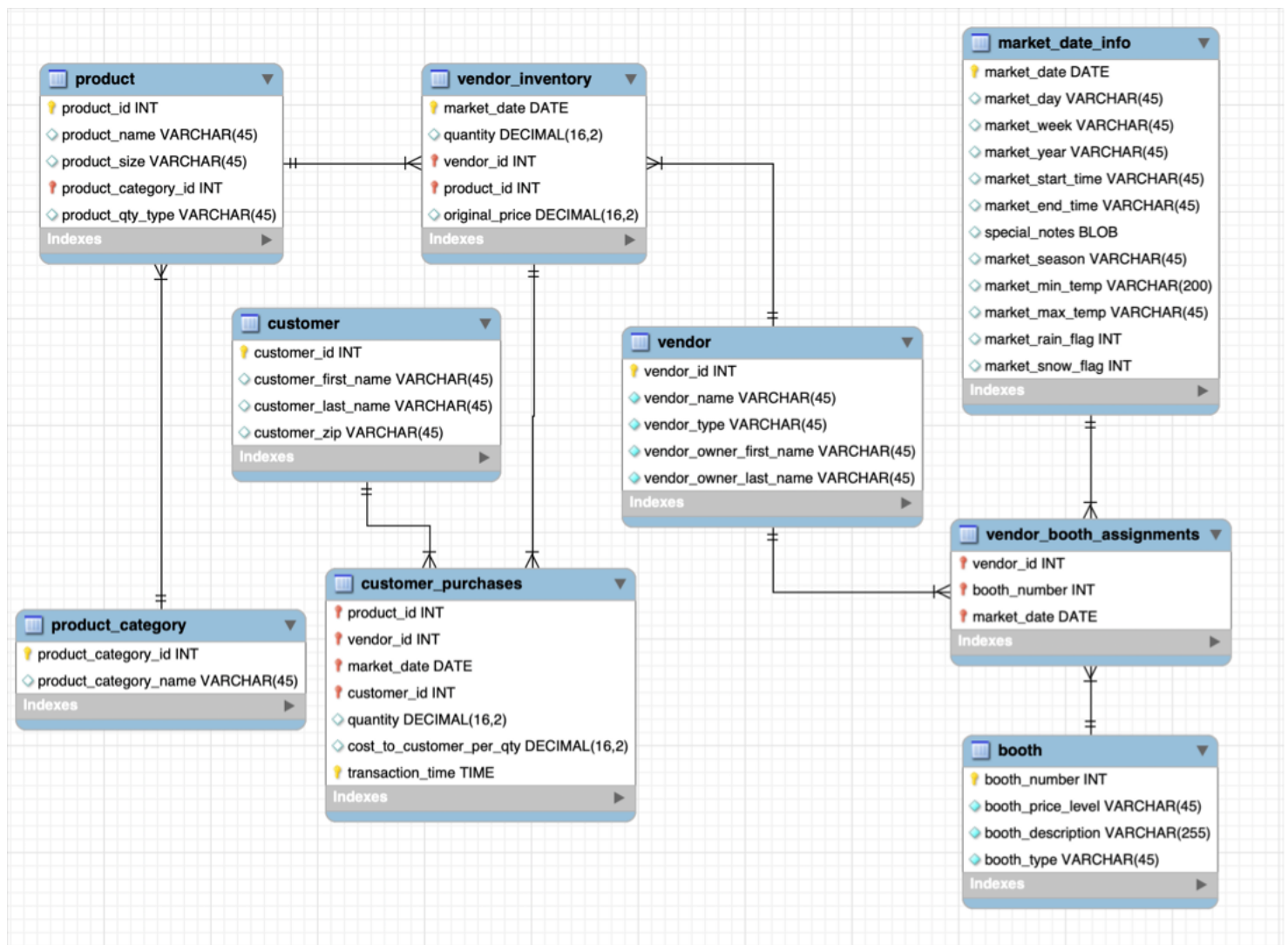


# Agenda

- a. Functions in sql
- b. Where Clause
- c. AND,OR operators
- d. Like Operator
- e. usage of NULL
- f. Subqueries
- g. CASE statement



① Offset

employee

	eid	name	Sal	Dept
0	1	A	400	IT
1	2	B	200	IT
2	3	C	700	AD
3	4	D	100	HR
4	5	E	900	AD

0	900
1	<del>700</del>
2	400
3	200
4	100

Qr. Get me second highest salary from employee?  
 Ans. Select \* from employee  
 order by salary desc  
 limit 1 offset 2

900
700

↓  
700

Limit 1 offset 2

0	900	✓
1	700	✓
2	500	✓
3	200	✓
4	100	✓

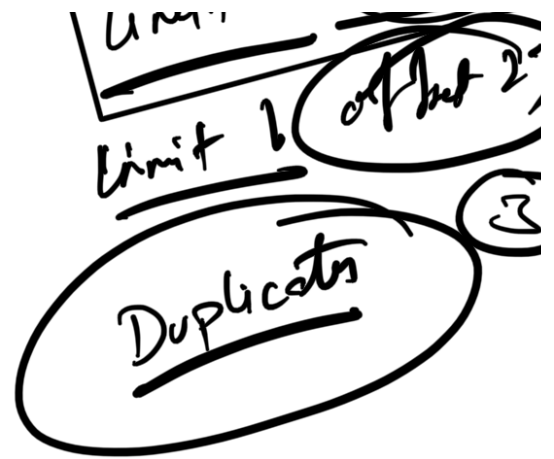
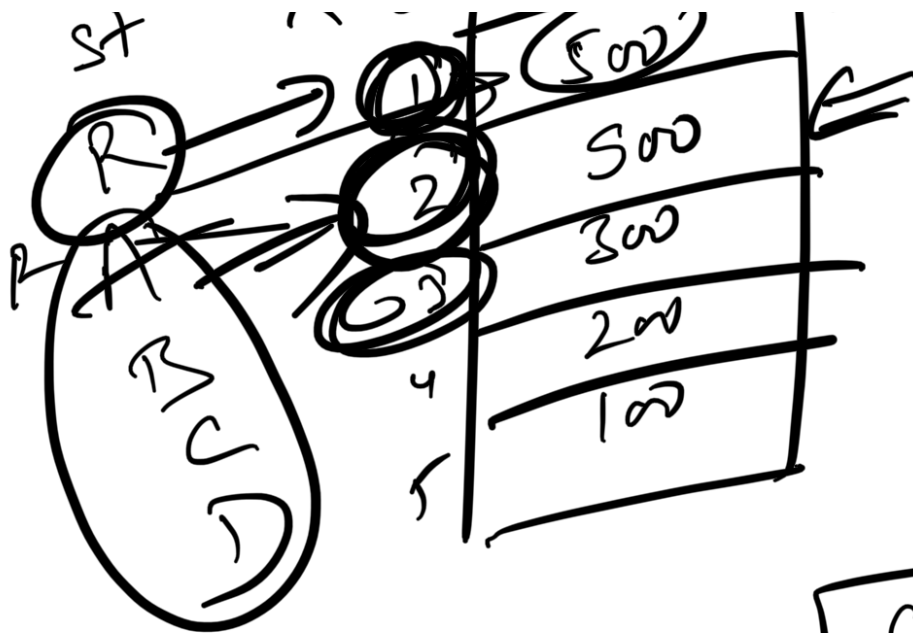
↓

700

Limit 1 offset 1

x 0 1 900 ✓

limit 1; offset 1;



0 - 900  
1 - 500

Functions

Round (col, 1)

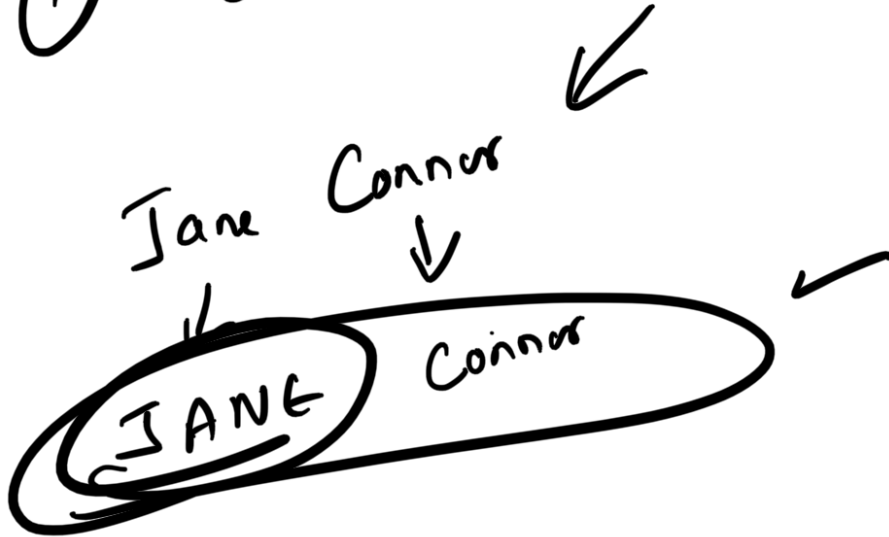
- Ceil
- Floor
- least
- greatest

Select least (7, 4, 2, 1)  
↓  
greatest = 7  
→ = 7

String

①

Concat



②

Jane

Connor

JANE

CONNOR

CONNOR

Jane

JANE

Substring (pppt, ut, ut)

Jane  
1 2 3 4

~~Right~~  
↑↑↑↑  
1 2 3 4

= J \* ( )

Concat

1

( Jane 1.1 )

lower (Substring)

upper (Substring (Jane (2)))

= ane  
↓  
ANE

→ JANE

↓

OR

	(1)	(2)	
→	F	F	F
→	T	F	T
	F	T	T
	T	T	T

AND

	T	T	T
	T	F	F
	F	T	F
	F	F	F

IN (1, 2, 3)

IN ( , , )

Pattern Matching  
like operator



10  
↓  
Ier %

Case dering

Iereng ✓  
Iermy ✓  
Ieremay ✓  
Iereng X

aksh % → 0 - more letter

✓ a akshay

✓ 6 Mo akshi

✓ c A akshay

d Rudraksh ✓

one 2 only 1

mit

1 Anut ✓

2 chut X

3 Shanit X

4 legit X

An- 7 + umn

←

✓ + umn

(a) Autumn

(b) Ottoman

(c) Ottoman

(d) Rautumn

1000  $20^2$   $\Rightarrow \frac{20}{100} \times 1000 \Rightarrow 200$

$$(1000 + 200) = 1200$$

$\Rightarrow A \div \div \div \div \div N$

(1) Ashmin  $\times$  (2) Autumn  $\times$

(3) Angoy  $\times$

(4) Athorian  $\times$