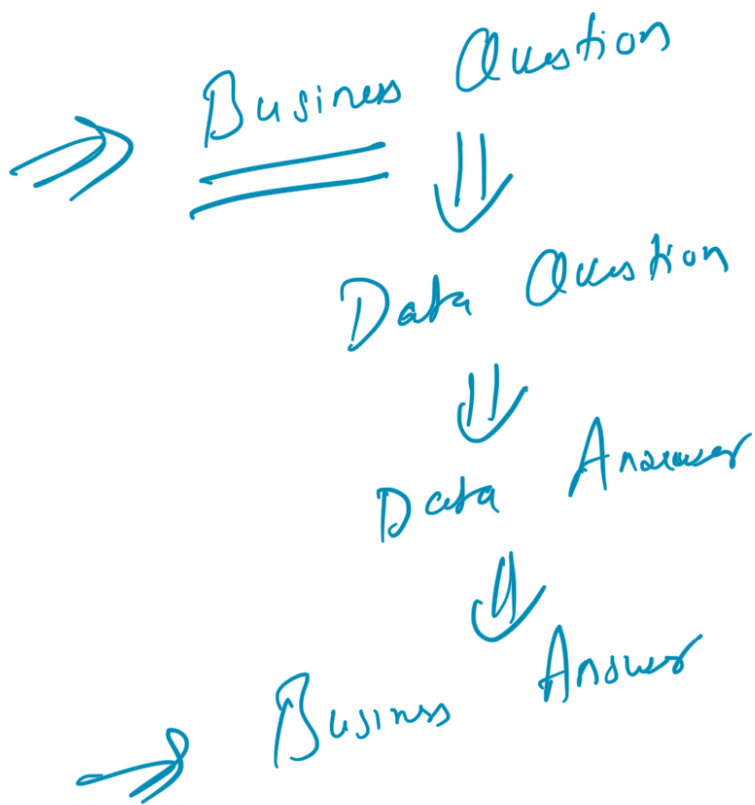
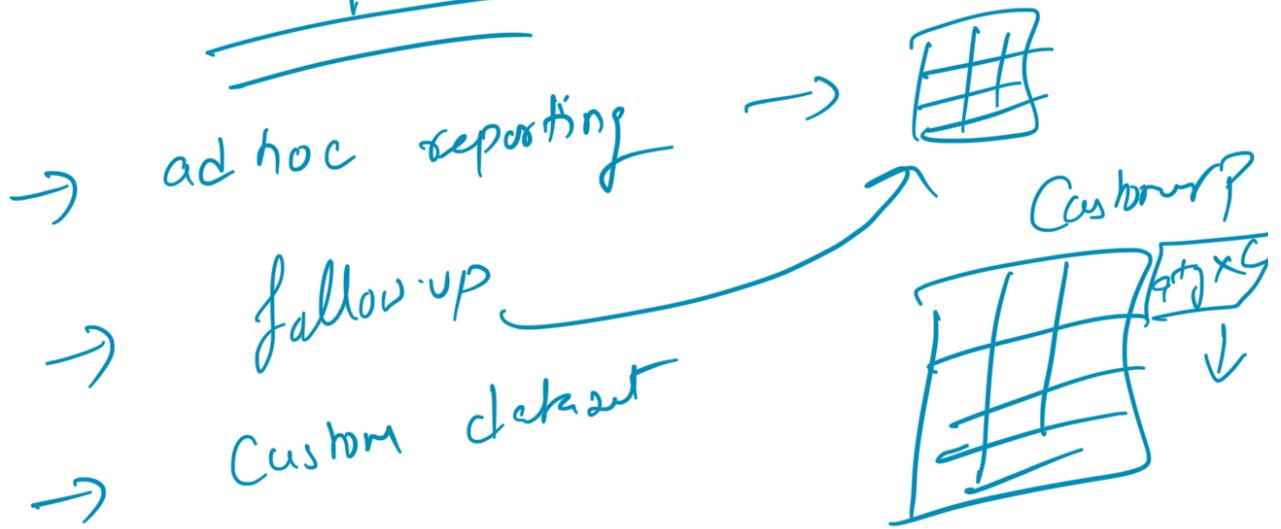


Agenda

- a. CTE
- b. Views
- c. Optimisations in SQL

DS/DA



Ⓐ

Ⓙ

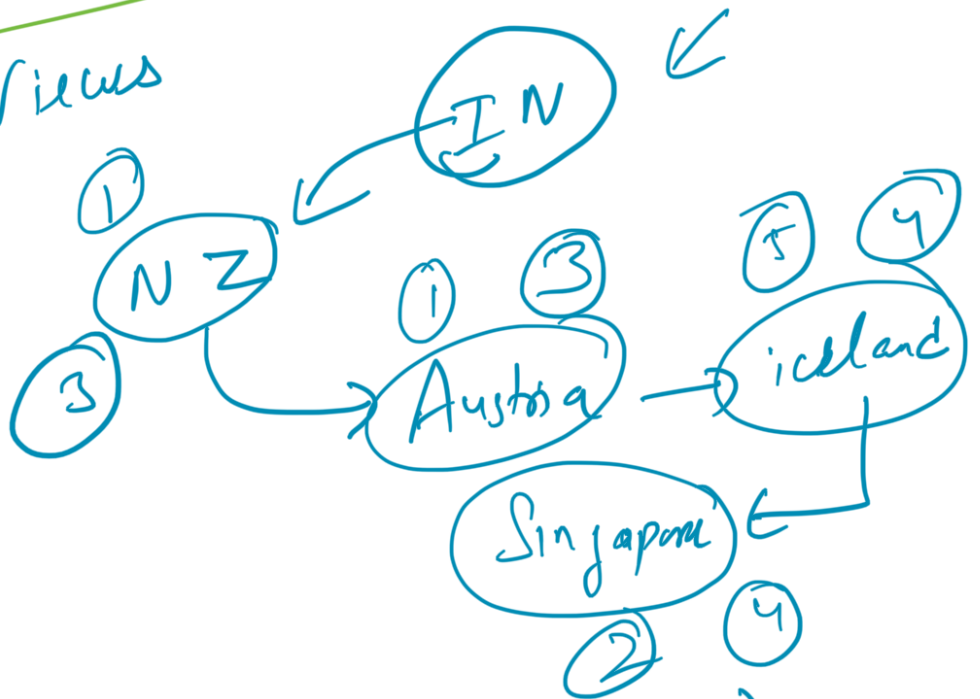


DRX

2 approaches

Common Table Expressions (CTE)

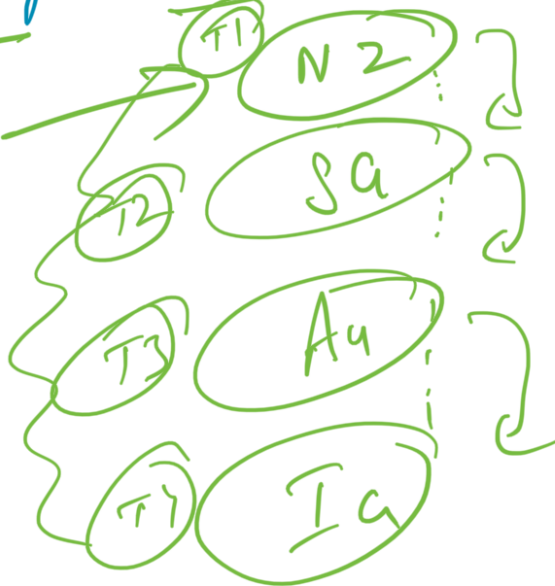
Views



CTE

⇒ Planning (Travel Itinerary)

2 days

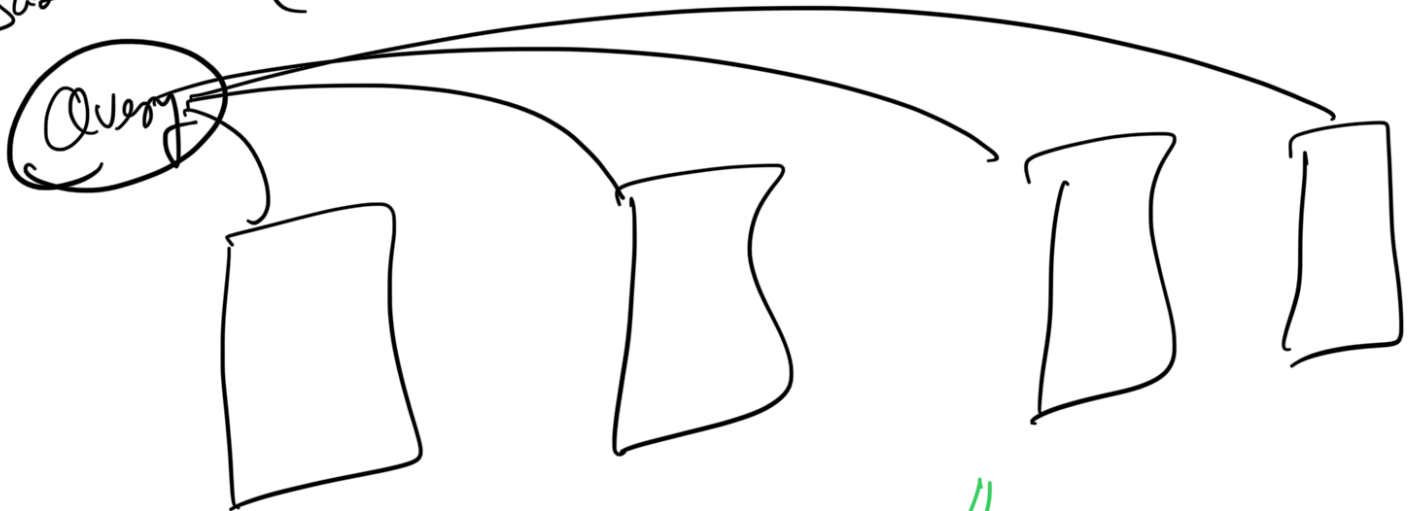


Destination
Tables

⇒ A CTE is like a travel itinerary planner that helps
 or a travel organizer
 ↳ and optimize your trip.

→ It act a temp guide, allowing you to gather, organize & extract some specific info from diff diff destinations (Table) efficiently.

Base



Syntax :-
 ⇒ with [Query Alias] AS

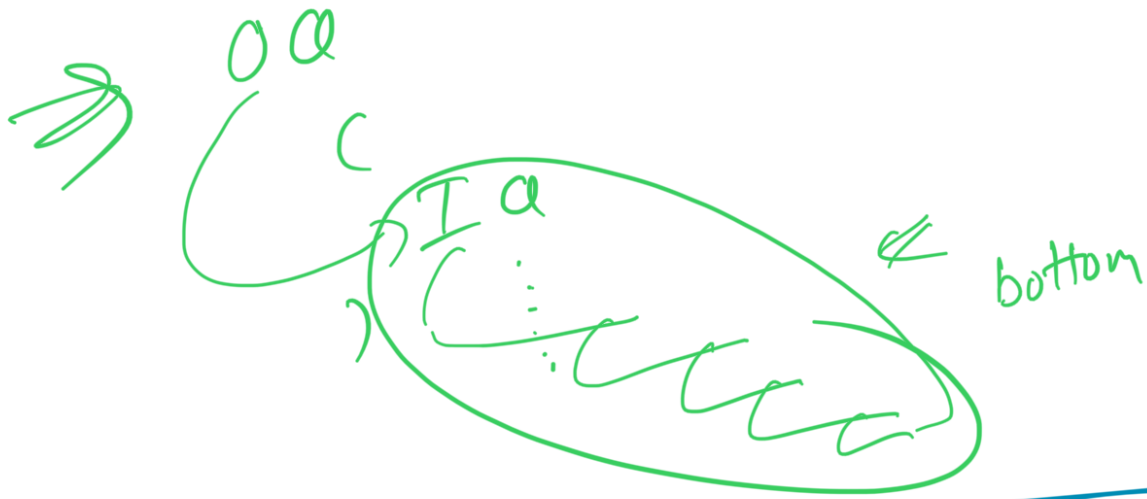
TOP
 Bottom

(query 1)
 ,
 [query - alias - 2] AS (query 2)
 ...

(a) Subquery

JP





total users total amount each dot

①	①	13/07	M	204
②	①	13/07	D	731
③	②	13/07	M	431
④	②	14/07	M	346
⑤	③	13/07	D	686
	③	14/07	D	74

date	Platform	dot-amount	dot-user
13/07	Both	935	1
13/07	Mobile	431	1
13/07	Desktop	686	1
14/07	Mobile	346	1
14/07	Desktop	74	1
14/07	Both	0	0

① Both ② 0 ③ 0

⇒ sum()

⇒ count()

⇒ group by ?

⇒ order by

⇒ case

⇒ full

⇒ window in

Both

→ Module test

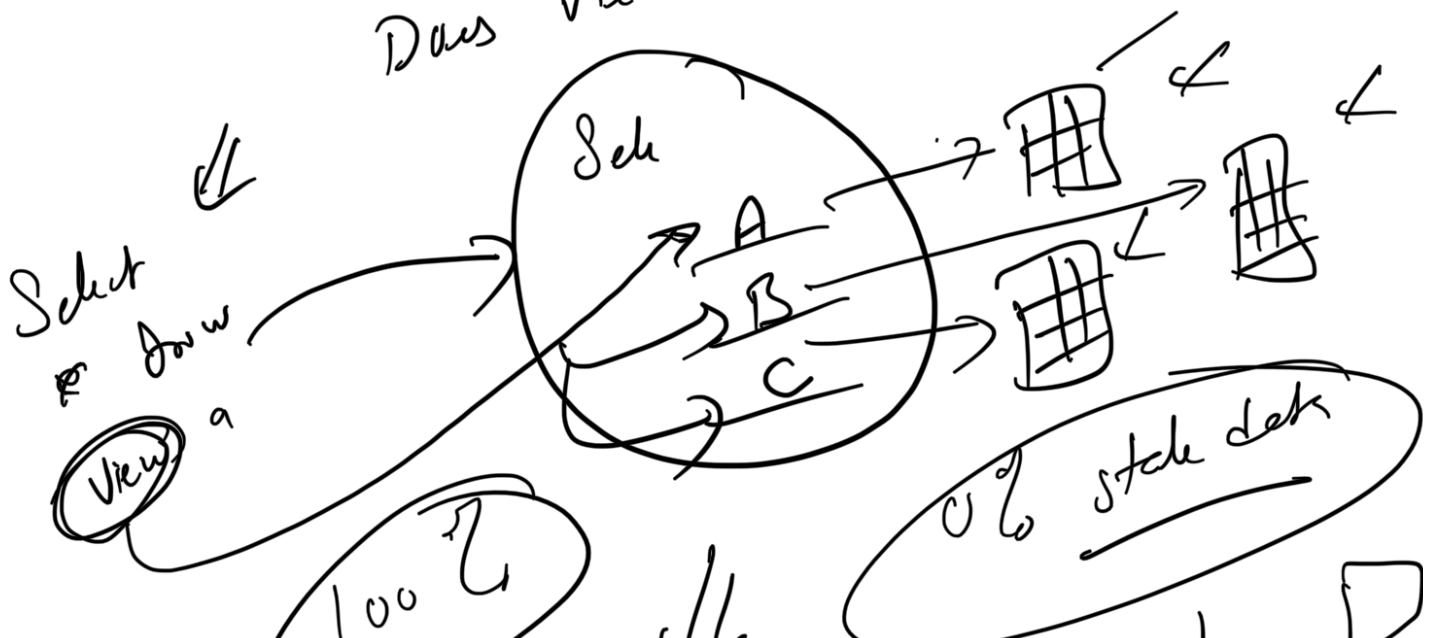
→ Case study

⇒ ~~CTE~~



(b) Views → Database objects
→ Scope is Global

⇒ will view be having stale data?
Does view store data or Query?



Materialized View

query
+
data

→

1	W	1	1
1	W	2	2
1	U	3	3
1	D	1	1
1	W	4	1
1	W	5	2
1	U	6	3
1	U	7	4