

Schema

} Blueprint of whole Database }

① All table

② Table Name

③ Table Attributes

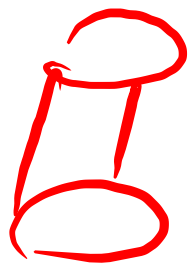
④ Relationships

} → functions

Database instance

$t = 0$

↗ no data



$t = t_1$

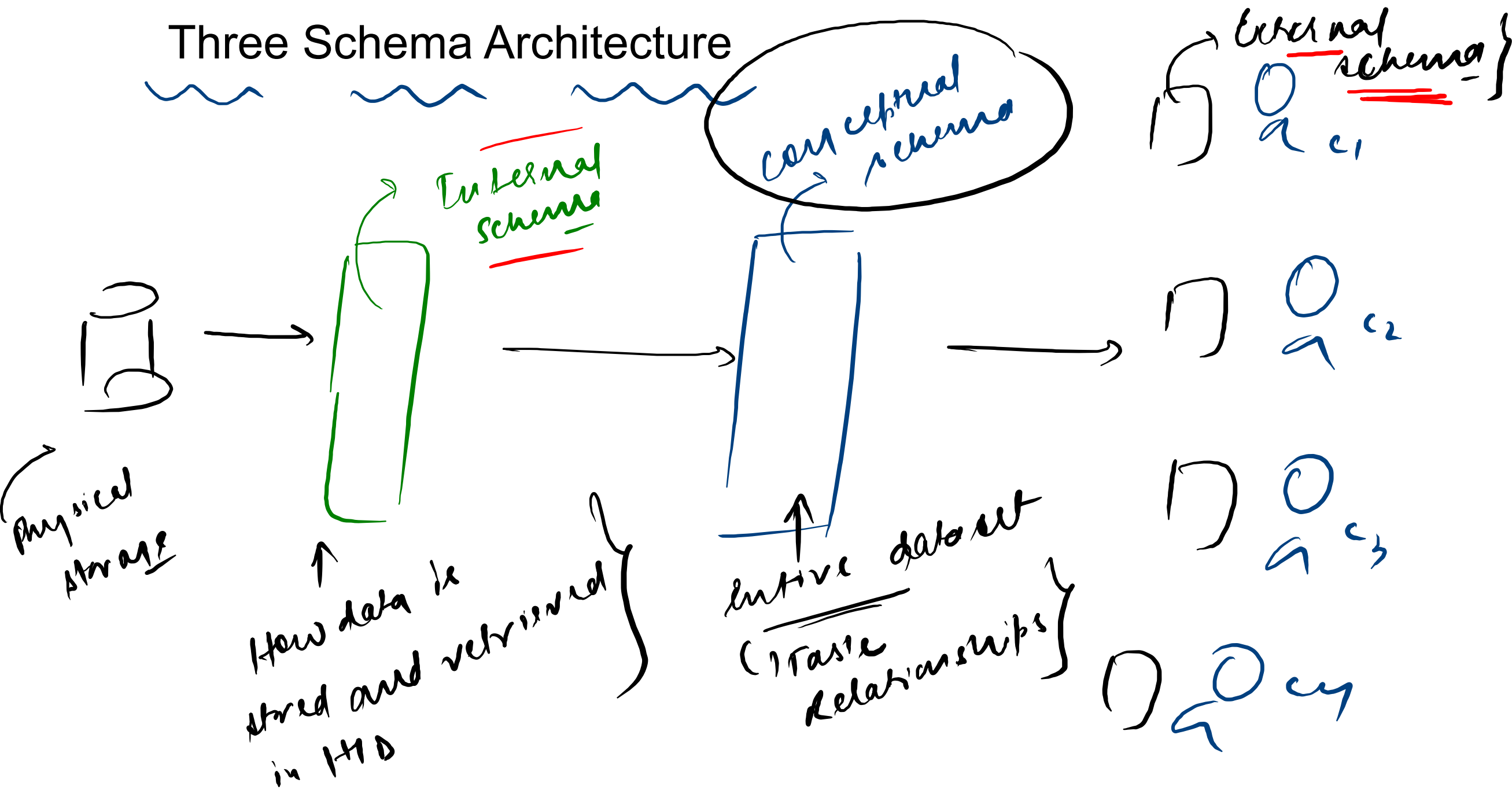
↗ 100MB



$t = t_2$



Three Schema Architecture



Advantages / Why

Change

customized data

45

completing
summa

External Security

A hand-drawn diagram consisting of a vertical line. On the left side of the line, there are three circles. The top circle has a small arrow pointing to the right. The middle circle has a small arrow pointing to the left. The bottom circle has a small arrow pointing to the right. On the right side of the line, there is a single circle with a small arrow pointing to the left.



~~Inter~~nal Schema

① Logical Data Independence ?

② Physical Data Independence

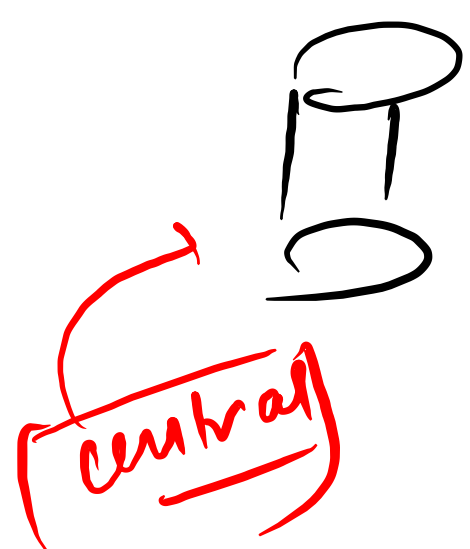
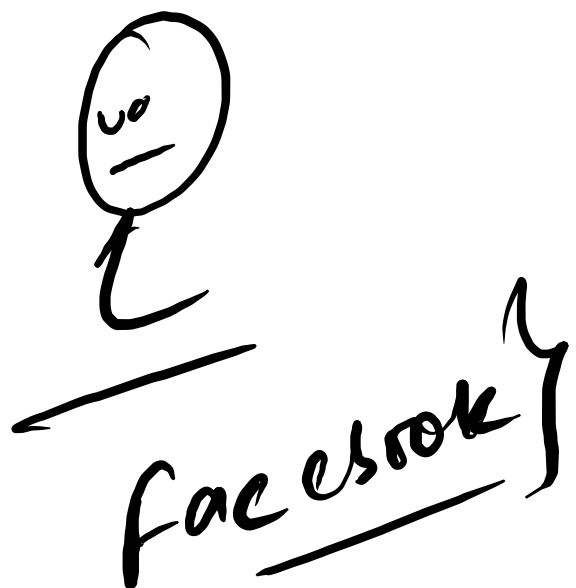
Manager

employee

id	name	benefits	salary	area	work
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Finance

benefits



Behavioural
Performance
HR

Human
Workload
Commitment
Management

Finance
Salary / Bonus / Hike

Benefits