



"data independence"

We have to independent data from user

Main aim of user is to use data  
we satisfy user requirements but by  
hiding unrelavant data from user

How user access data?

using app<sup>n</sup>, interface, web app<sup>n</sup>

\* Logical data independence

Conceptual level      table, attribute

U → add

Student	Name	age	Mobile
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if user add mobile it will not affect  
the app<sup>n</sup> program

we can implemented using view



1. Primary key
2. constraints
- 3.

classmate

Date \_\_\_\_\_

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if we change something in conceptual schema then it will not affect on view level

we can Access data properly and convient way

## 2. Physical schema

if we change something in physical level it will not affect on conceptual schema

if i store db in h-disk 1 and move to h-disk-2

that doesent mean table name changed

1) storage structure

2) data structure

3) Index

This called data independence.