UNDERSTANDING

DBMS

@codechips

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You are the CEO of the company **Cody Co.**

@codechips

Cody popupdev04@gmail.com

You want to manage your company and employee details

To do this first you need to get their details

This serves as the data.
"Data" are related facts

Name: Andy
Position: Tech Manager
Age: 28

E-mail: popupdev04@gmail.com
Documents:

These data are systematically organized to form databases

Manager Database

Relational Database

ID	Name	Team	Age	E-mail
1	Andy	Tech	28	popup...
...	.....	.....	...	.....
...	.....	.....	...	.....

Employee Database

ID	Name	Team	Age	Photo
1	Jedy	Sales	22	
...	.....	.....	...	.....
...	.....	.....	...	.....

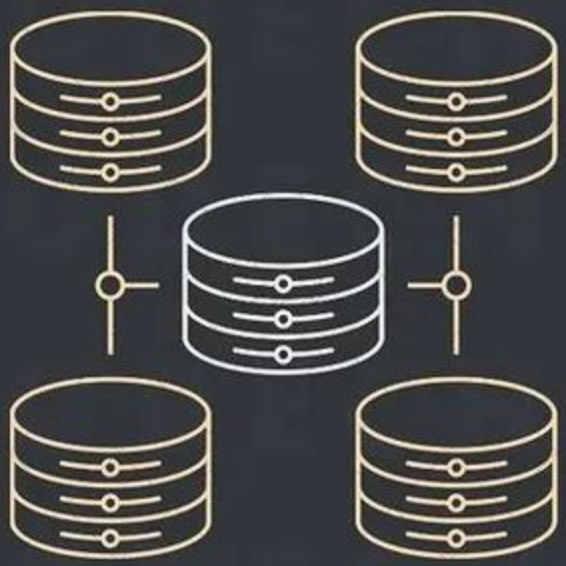
But how can we store, access, represent and manipulate the database ?

ID	Name	Team	Age	E-mail
1	Andy	Tech	28	popup...
...	.....	.....	...	.....
...	.....	.....	...	.....

ID	Name	Team	Age	Photo
1	Jedy	Sales	22	
...	.....	.....	...	.....
...	.....	.....	...	.....

That is where DBMS Came to the scene

Database Management Systems (DBMS) are software systems used to store, retrieve, and run queries on data.

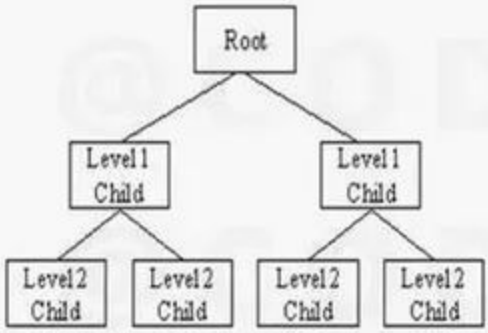


A DBMS serves as an interface between an end-user and a database, allowing users to create, read, update, and delete data in the database.

4 Major Types of DBMS

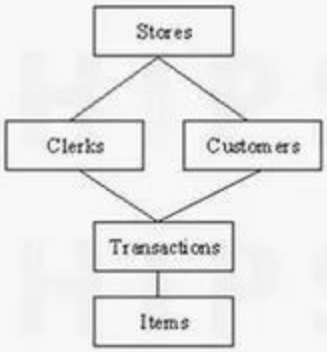
Hierarchical

data is organized into a tree-like structure



Network

uses a network structure to create a relationship between entities



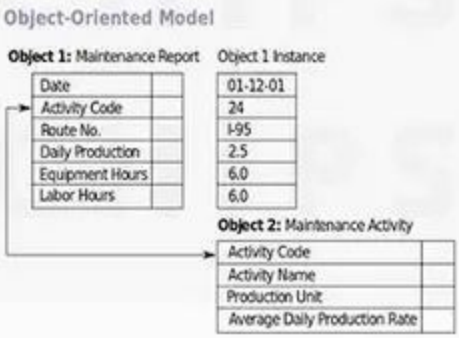
Relational

data is relational & is stored in tabular form of columns &rows

ID	Name	Team	Age	Photo
1	Jedy	Sales	22	
...	.....	.....	...	.....
...	.....	.....	...	.....

Object oriented

based on OOP. It is represented & stored in the form of objects



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