

# DAY 1

Thursday, July 16, 2020 9:35 AM

## SQL ( STRUCTURED QUERY LANGUAGE )

↓  
**DATABASE**

What is DATA ?

*"Data is a raw-fact which describes the attributes of an Entity".*

### Properties or Attributes

**Create a new account**  
It's quick and easy.

First name Surname

Mobile number or email address

New password

Birthday  
18 Jun 1995

Gender  
☐ Female ☐ Male ☐ Custom

By clicking Sign Up, you agree to our [Terms](#), [Data Policy](#) and [Cookie Policy](#). You may receive SMS notifications from us and can opt out at any time.

**Sign Up**

I am creating an account for myself :

#### Attributes

First name : Rohan

Surname : Singh

Phone number : 9876543210

Password : Rohan@123

Dob : 14-MAY-199X

Gender : MALE

Laptop

Brand : Dell  
RAM : 8gb  
Touch : no

Laptop

Brand : Apple  
RAM : 16gb  
Touch : yes

Example :

Water Bottle

Entity

Height : 20cms

Color : blue

Capacity : 500ml

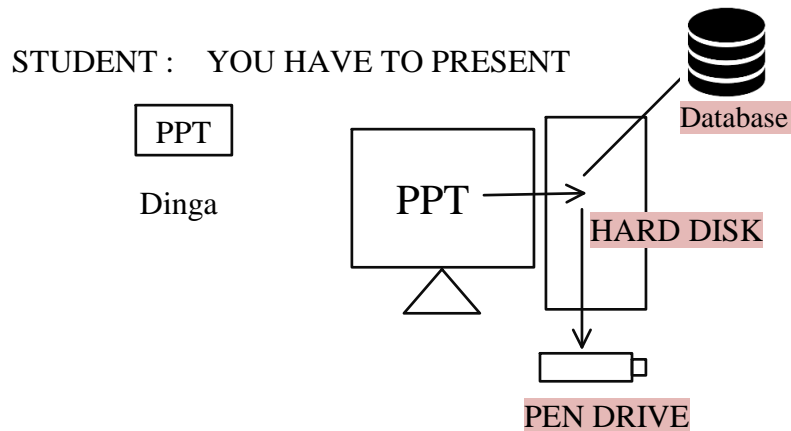
Attributes

#### Contacts

Name : Dinga  
Phone : 108  
DOB: 14-feb-95

## **DATABASE :**

"Database is a place or a medium in which we store the data in a Systematic and organized manner "



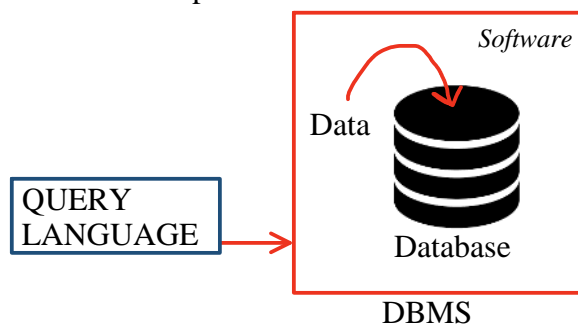
- The basic operations that can be performed on a database are
  - CREATE / INSERT
  - READ / RETRIEVE
  - UPDATE / MODIFY
  - DELETE / DROP
- These operations are referred as "**CRUD**" Operations .



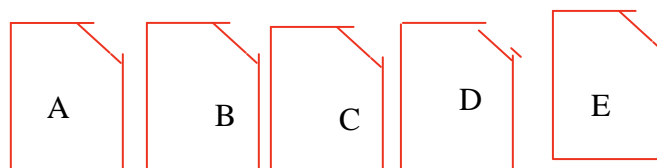
### DATABASE MANAGEMENT SYSTEM ( DBMS ) :

"It is a software which is used to maintain and manage The database "

- **Security** and **authorization** are the two important features that DBMS provides .



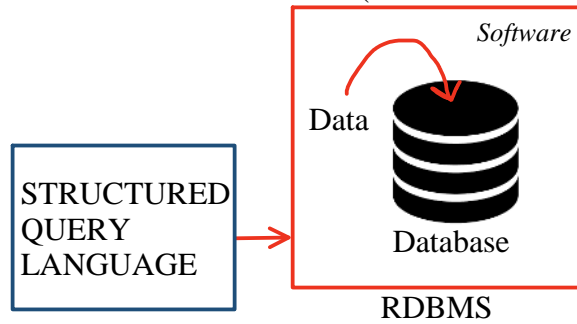
- We use query language to communicate or interact with DBMS
- DBMS stores the data in the form of *files* .



### RELATIONAL DATABASE MANAGEMENT SYSTEM ( RDBMS ):

"It is a type of DBMS software in which we store the data

In the form of Tables ( rows & columns ) ".



- We use **SQL** to communicate or interact with **RDBMS**
- RDBMS stores the data in the form of *Tables*.

Example :

<u><b>Names</b></u>
A
B
C
D
E

Notes link : [bit.ly/roSQLQCDM34](https://bit.ly/roSQLQCDM34)

Mail ID : [ro.helpmate@gmail.com](mailto:ro.helpmate@gmail.com)

Instagram : [ro\\_sql\\_helpmate](https://www.instagram.com/ro_sql_helpmate)