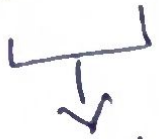


Day 52

29/04/2025

SQL - structured query language.

File Concept in C#



unstructured data.

json in C#

↳ semi-structured data (key value format)

SQL

↳ structured data.

Database

SQL server → Microsoft's RDBMS.
MySQL → Open-source RDBMS.
SQLite → Lightweight embedded DB.
Oracle → Enterprise RDBMS.

* all the database use query language.

(SQL server configuration manager)

Database : A container for data.
(like folder).

Table : Holds data in row and
columns (like an excel sheet).

Row : A single record.

Column : A field in the table.

System database :- (not permanent data).
(restart)

* master.

* model

* msdb

* tempdb.

To create database commands

-- Create database name

TO me Created Database

use name.

TO Create table inside the database
Structure of the table

- STUD (Table Name)
- SNO INT / NUMERIC (1012)
- SName TEXT / VARCHAR (10)
↓
character allowed
- AGE NUMERIC (3)
- ADDRESS VARCHAR (20)

Command

Create Table STUD (SNO NUMERIC(3)
, SName VARCHAR(20), AGE INT
(3)
, ADDRESS VARCHAR(20)).

* The above command is used
to create STUD Table.

TO Select table.

Select * from STUD.

TO insert in the table

INSERT INTO STUD values

(1, 'Navin', 24, 'Tamil Nadu'),
()

TO insert specific data on the table

INSERT INTO STUD (SNO, SName)
value (3, 'RAM'),
(4, 'SAM')