Databases 101

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My name is Lee Campbell & I'm a multi-disciplinary UX & UI Designer.
WORK
PROJECT A
foundry

Ai

what is a database?

LOUIS VUITTON
LANCÔME
ESTÉE LAUDER
DOLCE & GABBANA
Kilian
Kilian
Kilian

1. Shared collection of logically related data

1. Shared collection of logically related data
2. Designed to meet an information need

Uses

Data Storage

Data
Storage

Data
Analysis

Data
Storage

Data
Analysis

Keeping
Record

Data
Storage

Data
Analysis

Keeping
Record

Web Apps

CRUD

C	Create
R	Retreive
U	Update
D	Delete

what if all the data stored in the servers is lost?

Properties of a Database?

Integrity
Security
Availability
Concurrency
Independent of Apps

SQL

NoSQL

DBMS

DB
M
S

Database
Management
System

Schema

Keys

Roll No	Name	Branch	Registration No	Email	Phone
1	Ashish	CSE	11602259	ashish@gmail.com	123-123-123
2	Riya	CSE	11605235	ria@gmail.com	123-456-789
3	Prakash	ECE	11602233	light_the_ray@gmail.com	123-234-345
4	Sakshi	EE	11602223	sakshi1997@gmail.com	123-455-234
5	Avneet	CSE	11603367	avneet_at_work@gmail.com	654-234-234
6	Parag	CSE	11602232	cool_dude@yahoo.com	765-345-342

Super Key

Roll No	Name	Branch	Registration No	Email	Phone
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Not Null
Non Repetitive

Small
Constant
Numeric / Alphanumeric

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Alternate Key

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Composite Key

Foreign Key

Cardinality of Relation

1 : 1　　1 : N　　M : N

Q&A

SHUKRIYA

शुक्रिया