


Lec-1

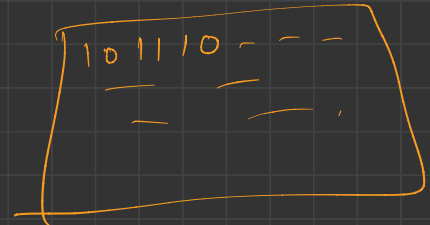
DBMS → ???

⇒ Data ?? ⇒ Bits / Bytes ! →

↳ collection of raw bytes

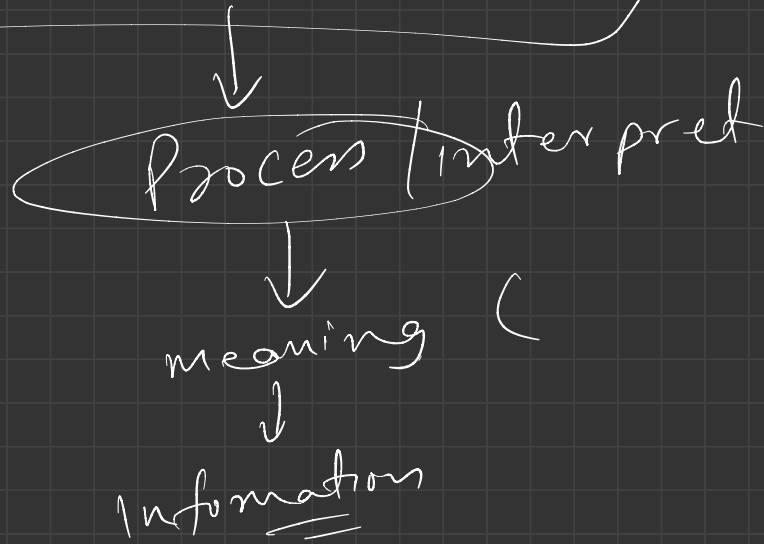
image → collection of bytes.

integers → " " "



memory
HDD

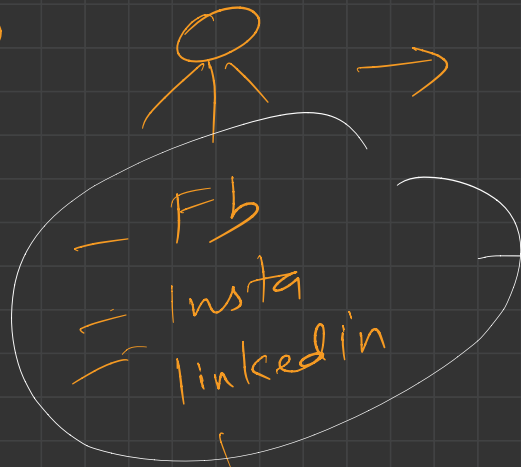
BMI	Weight	Height (inches)
21.16	112	61
21.79	135	66
28.29	213	73



① Data

② Information

⇒



Business → presence
social media

Marketing

Fb

Posts

Insta

LinkedIn

Fb → 1 → 8 Likes
Insta → 1 → 800 Likes
LinkedIn → 1 → 2 Likes

2) Data → Likes count → 4 bytes integers

↓
Process

↓
Conclusion → Insta → max. likes |

↓
Decision making

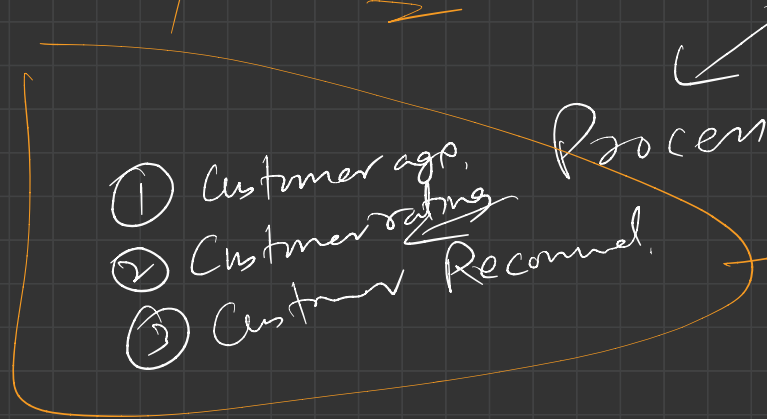
↓
I should focus on Insta.

→ Amazon → Product → feed back

→ Feedback → tent → (bytes)

↑ information
→

↓
Data



stockholder
↓
Decision making

→ Data is the new oil.

Person A

→ 10 Dishes

— Feedback X

→ Data X

Person B

10 Dishes

FB ✓

Data collect ✓

↪ Database :-

↪ DBMS →

school students

①

②

③

④

2001

3002

① DB → (store)

② set of programs
→ access
→ add
→ update
→ Delete

addition method

→ File system is

① earlier is

→ Bank → Saving account

— debit / credit

— new a/c

— Balance find.

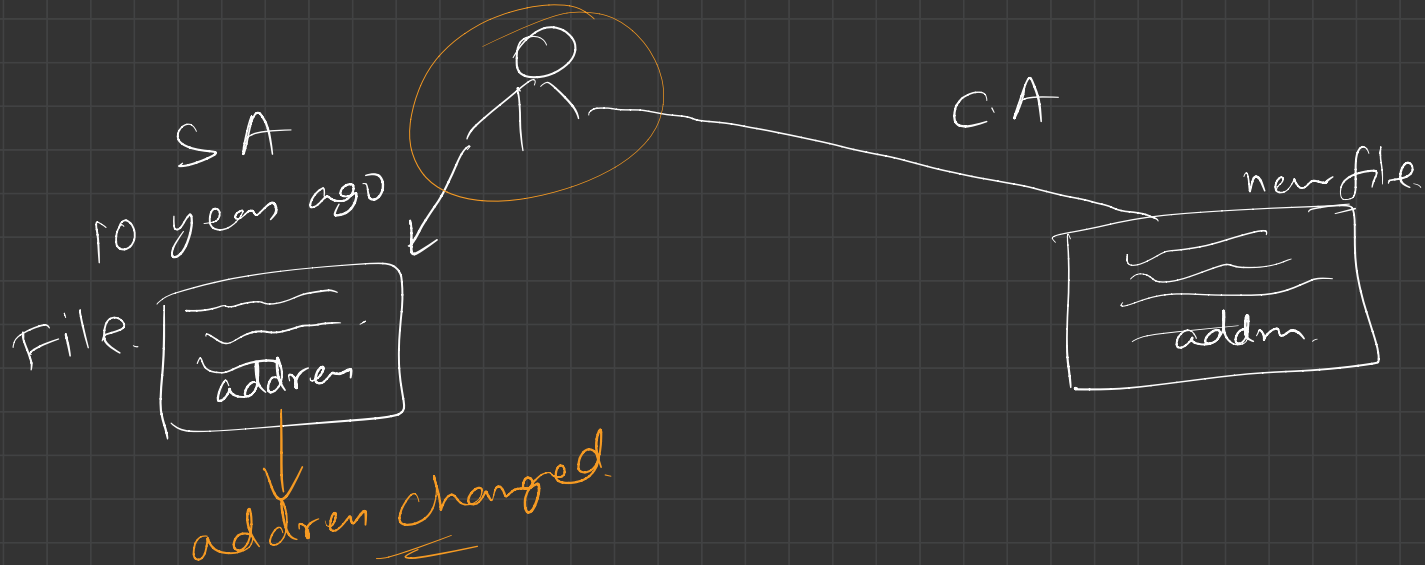
— gen. monthly statements

→ Bank → after 10 years

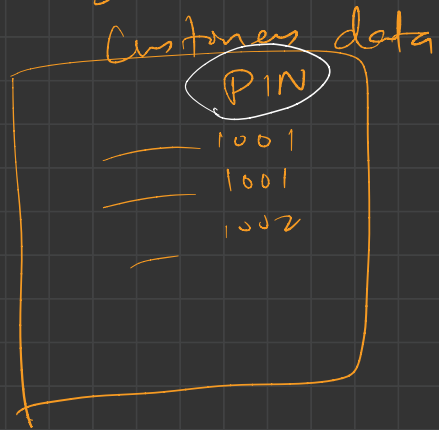
→ current a/c

— instant is

① Data Redundancy & Inconsistency



⑦ Difficulty in Data access



Info
⇒ 1001 PIN