# Lec-1

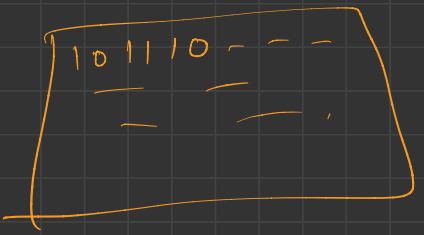
## DBMS → ???

⇒ Data ?? ⇒ Bits / Bytes ⇒

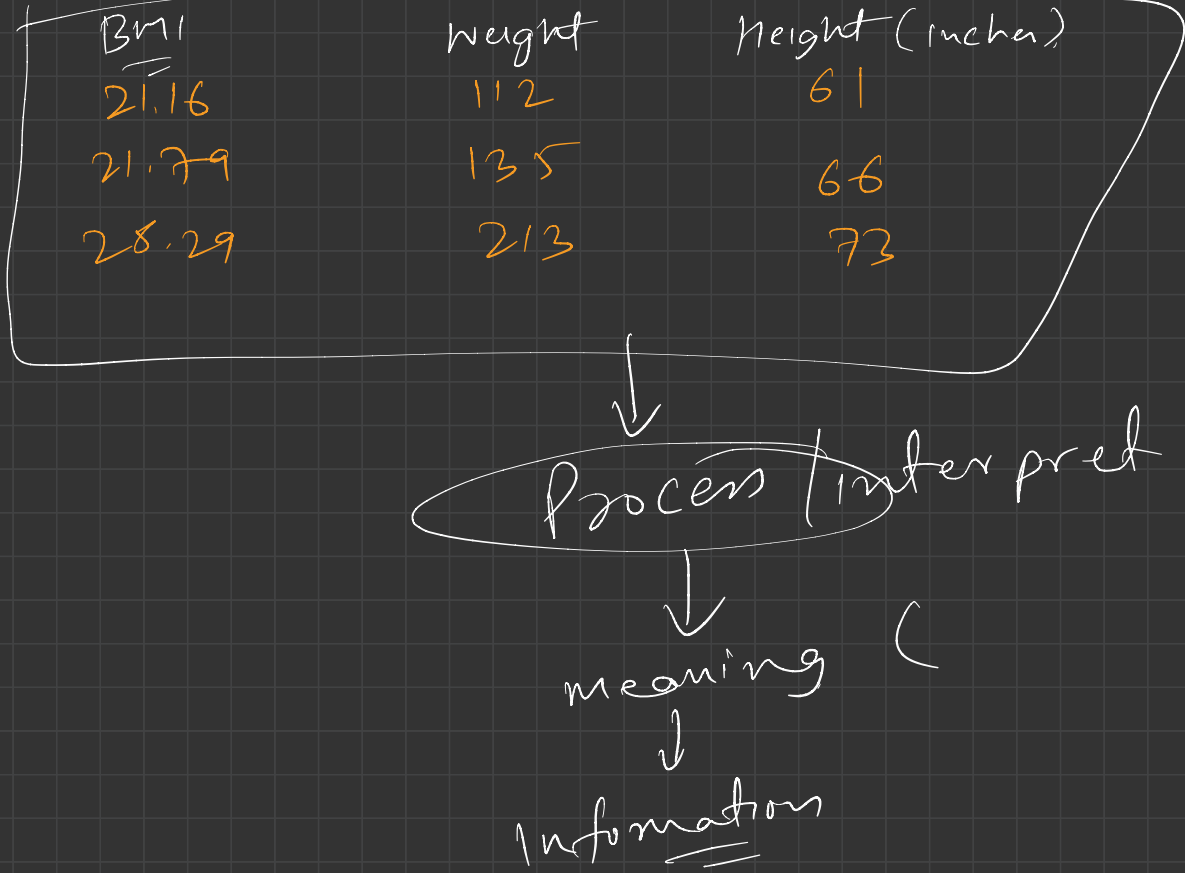
↳ collection of raw bytes

image → Collection of bytes.

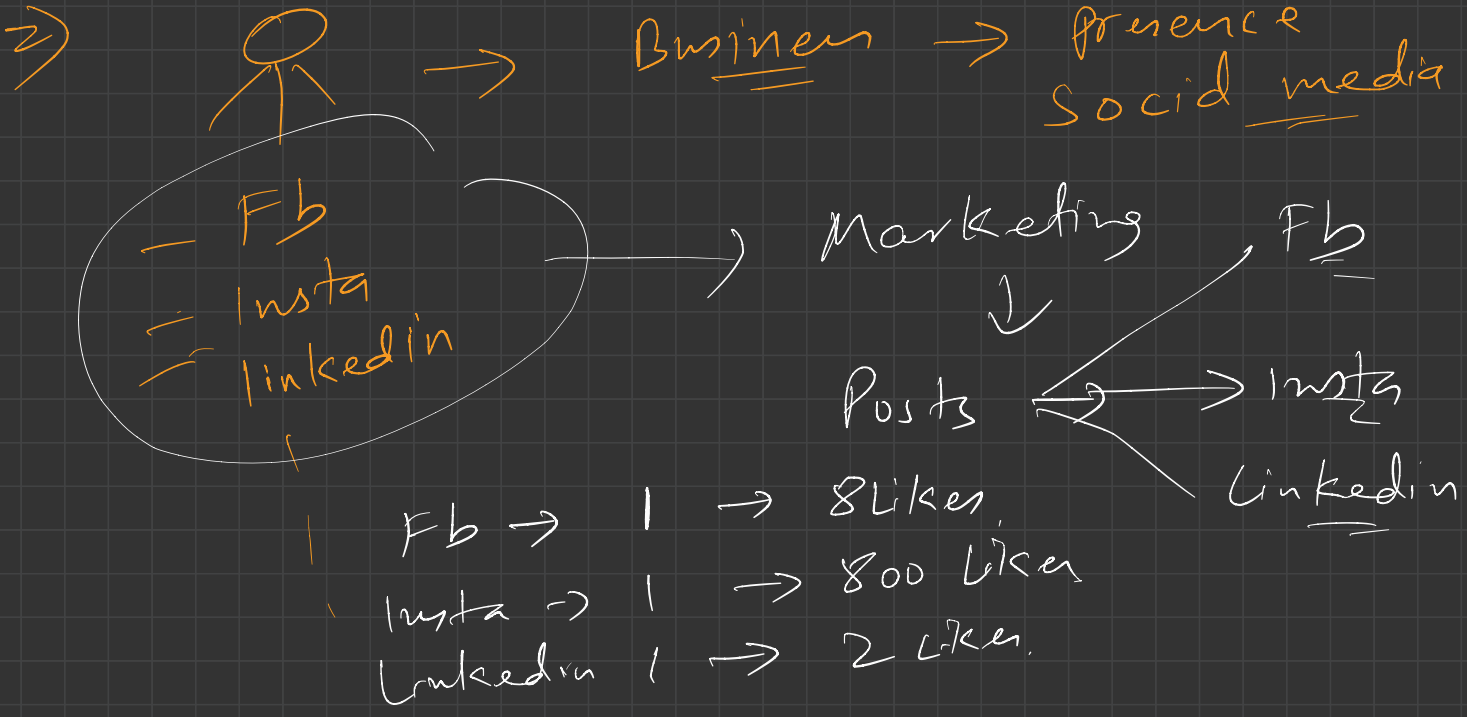
Integers → 1 " " "




memory
HDD


BMI
Weight
Height (inches)
21.16
112
61
21.79
135
66
28.29
213
73
Process / interpret
meaning
Information

① Data  ② Information



2) Data → Likes count → 4 bytes integer

↓

Process

↓

Conclusion → Insta → max. likes

↓

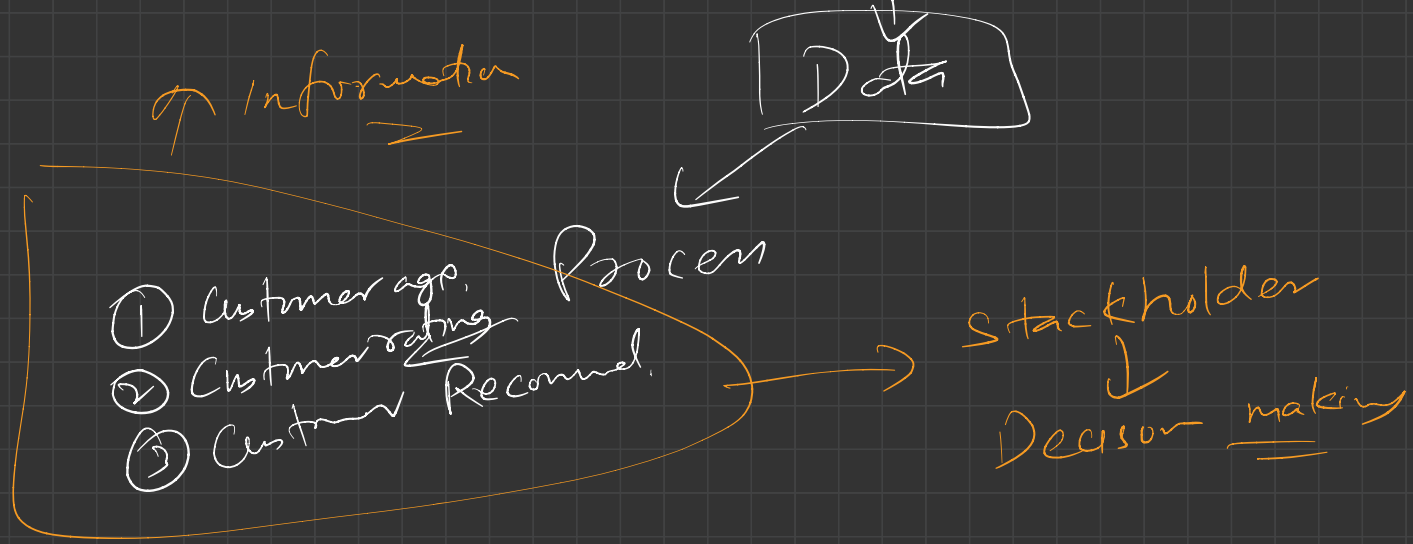
Decision making

↓

I should focus on Insta.

→ Amazon → Product → feedback

→ Feedback → text → (bytes)



→ Data is the new oil.

Person A

→ 10 Dishes

— Feedback X

→ Data X

Person B

10 Dishes

FB ✓

Data collect ✓

→ Database :-

→ DBMS →

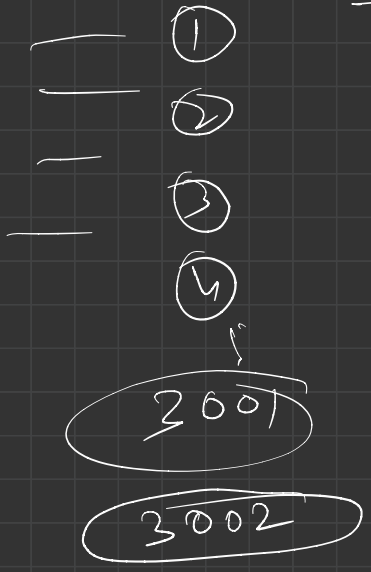
schobl students

1

2

3

4



3001

3002

1. DB → (store)
2. set of programs
   - → access
   - → add
   - → update
   - → Delete

addition method

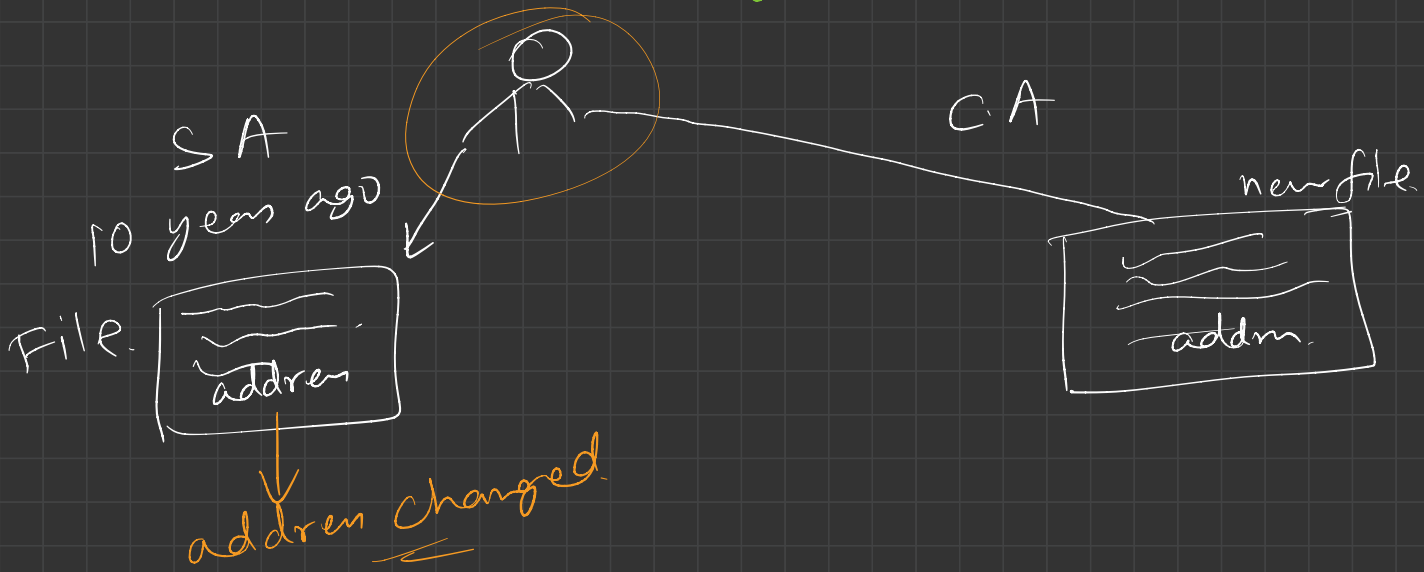
→ File system :-

① earlier

→ Bank → saving account
- debit / credit
- new a/c
- Balance find.
- gen. monthly statements

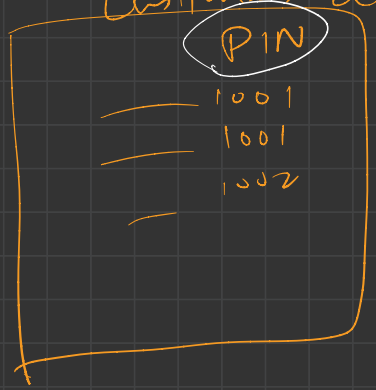
→ Bank → after 10 years → current a/c
- frustrated

# ① Data Redundancy & Inconsistency



② Difficulty in Data access

Customer data




→ Info

1001 PIN