



# DBMS (Database Management System)

DBMS  
↓

MySQL  
Oracle

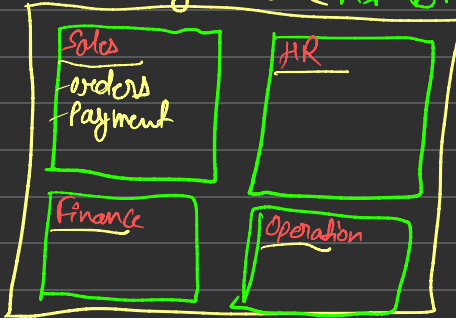


RDBMS

(Stores Data in structured format)

Relation ⇒ Table

MySQL (RDBMS)



Columns

emp-id	emp-name	age
1	A	20
2	B	21
3	C	22
4	D	23

Rows

orders

o-id	cust-id	amount
100	5	500
101	6	250
102	9	240
103	11	200

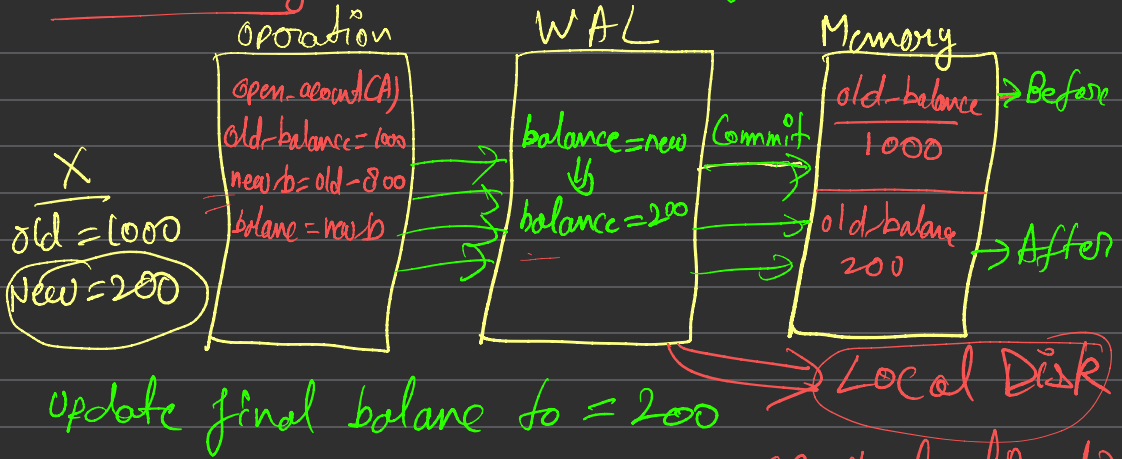
(orders) cust-id ⇒ id (customers)

customers

id	name	address
5	A	A1
6	B	A2
9	C	A1
11	D	A1

# Durability

(write Ahead Log)



Commit Operation (Reflects final)  
Rollback Operation (Revert the changes)

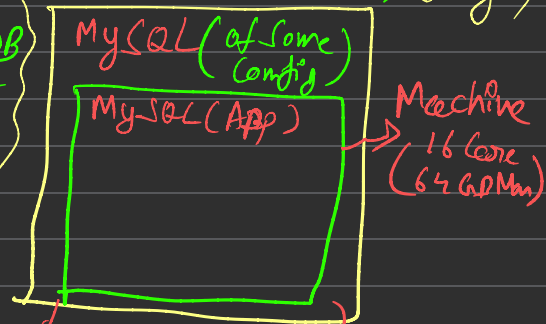
## Setup for Practice

(Left)

### Pattern of Connecting with DB

- Program (Python, Java)  
need libraries to connect
- IDE / Workbench  
MySQL Workbench
- Online Compiler

## AWS (AWS RDS) (Right)



Remote DB

- IP Address / Host name
- Port on which MySQL
- Username
- Password

# MySQL Workbench













