dobok o 2; testa ()

2) what is a DBMS?

3) Types of Patabases:

Rel Database

Non Rel Database

(I) Rel Databases

E keys:

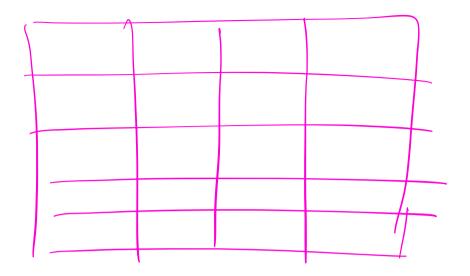
111 1 11 Super Reys.

-> Primary Reys -> Composix Keys

> Candidate keys

6 Foreign try.

Create a table Alter a table



Structural obota > Encel > Anything that is in a televilar form

Unstrenetured doda - Diary = Notes -> Google Doc

Prosons to Store data

- -> Emperses
- -> brocenies
- > 70 do 138
- > Manage Finances
- > Planner

Similar to people, Organization need to Stoke data in a streechered manner So as to be able to retrieve them later.

Students

name, email, batch, (PRP.

phone number Current Company,

Rebune Lindon Profits .---

Batches

name, Students, current-topir, St_date, Cultont_Cost,

Contests

noxand board sabard Score

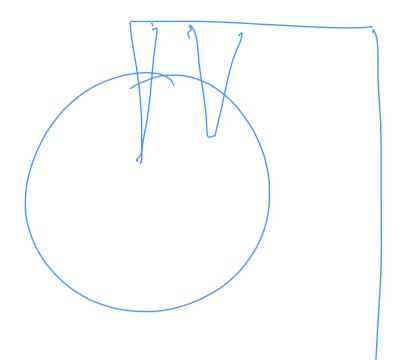
- > Chale On file pre item of date that I want to Store.
- -> One line pur ikm.

excel to store data.
Stort with a simple tent file to store the data.

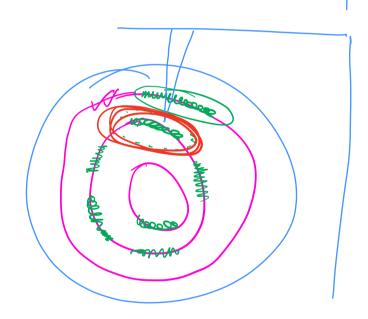
	Steedants.	test				
1	rane	batches	PSD	email	(coim	rounk
3	Oday	1	80		1000	2
(3)	Ashieh	1	90	, ~	2000	2
4	-Del	Pip	95		2500	1 ~
	Amit	3	"nulo"	4	2000	19
43" D'UP, 2,95, email, 2500, 1" 2" D'I (iP)						

But, we also need to sofficient the

tow??

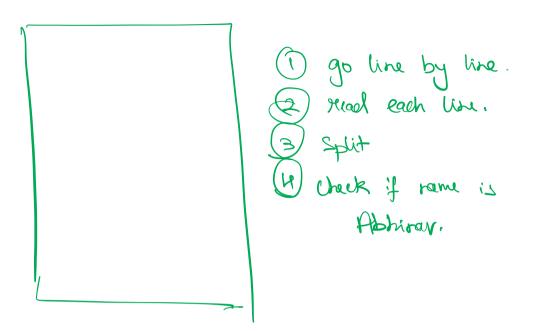


Coranaphore.



Only read a file sequentially.

I find the average pep of all Abhirau in Scalar



Possible issues?

Thesticient > Reading dota is very slow.

O(n) for any type of Operation.

2 Secusaity

Access condrool (usur load por)

-> Access condrool (usur load por)

-> Porter is readable/whiteable by

anyone

3) Dodo Integraly.

Survey obstatype.

Survey formathing of any type

will mees up

the sortine row.

(19) Concurrency

No two people can
see od any file at the
same time.

login to Scalar. com
Les conside

Fasswords

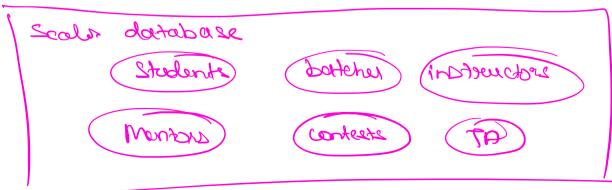
rame, wins, street.

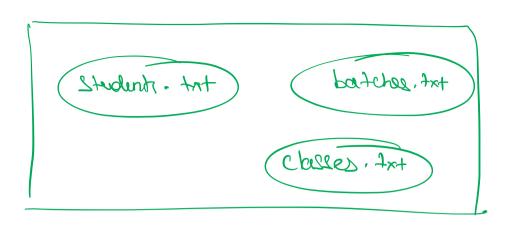
what is a Dodabase?



Detabase: Collection of related data

Data about items that were related to each other based on the business use case.





what is a DBM2 (Dutabase Margement system)

Software that will efficiently write and retrieve data, alongwith features that maintain

John integraity Security Wormverny

DENS will use its obvaried dota streedward to some ony Query.

Types of Databases:

name	3016	317	2/2	
Norsin	/	~	*	
		ı		

Register.

Tables are the most ratural way to store any data.

Basid on whether DBMs uses Table to Store its data, it is categorisal into 2 types

DBMS

Table
11
(RU) DENS

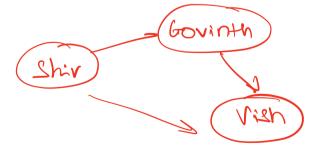
> Stores related data in tables.

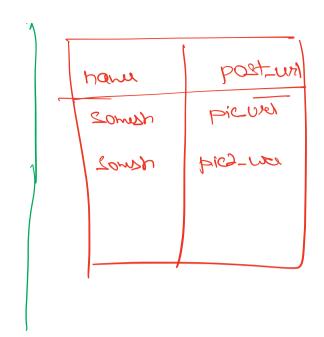
Students rane email

Colombo ere attributes rems are doda entry. Non Pel DBME.

store related data in non-tabular form,

- > graphs
- ~ Columnat > callardea.
- > Document
- Key value poir





Break till 10:43 PM

when to use which DBM5,

HLC

Proporties of Rel Dodobales. = DRMS

DRU database stores tabular data
that one what to each other.

Scala: Students, batches, instructors....

2) Every kow is anique.
No too rows have the same values for all the whems.

]	name	age
	TUSTON	24
	Prasun	25
	Prosun	25
4		

Problem with deplicates

identity connot be

known

(who is who)

3) All the values in a column have to be of the Same type else data integrity is broken.

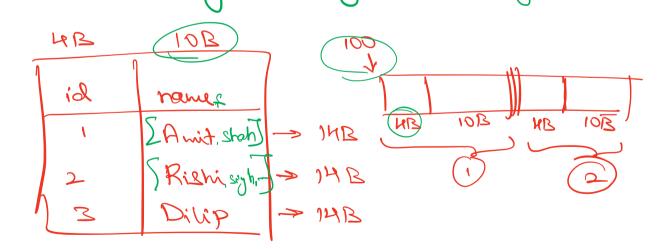
4) voluer in a cell are atomic

Smaller indivisible

> Cannot have on aretay, map, jeon....

	Nama	phone humbers
2	sahouh	S-,-J

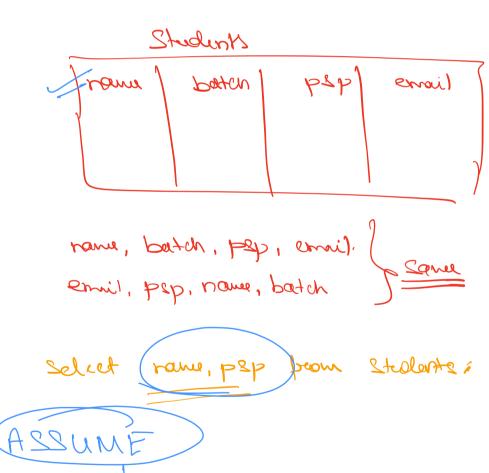
Moblem: Even Other 20L that do allow Storeing Hells, they are generally blow.



find 5 to sow of this table.

100+ (1-1) 14

E) Column sequence in queries 12 hat gueranted.



ASS (ME

6) Order of source is not guaranteel. Select from Students

Puit

Rish

Righi

Anut

to fin an order, we have to use

ORDER By (Sosting on name)

7) No 2 Whemas can have the same rance.

Students table RHIND, rome nous

Super Keys.

Every row should be unique

Key: a col^m or a set of col^m in a table whose values over guaranteed to give you a verique row.

Primary Kay = kay = Super Kay.

0 -	Stevolent				
	rane /	PSP	botches,	byans.	eneci1
	\				

Super Keys.

email

phoreno,

have

X

PSP

Email. rame

email. phono,

email, phono,

email, psp

psp, batch

psp, rame

X

enail, ph, psp, rame

email, ph, psp, rame

name	Ph1	ph2	enail I	Rhoeil 2 ross.