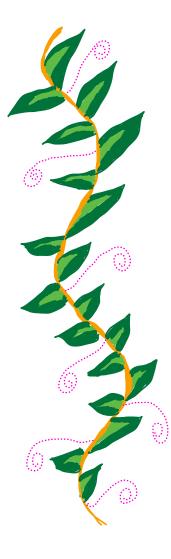


Agenda:

- What is Database
- Why are we studying it Scaler cursiculum for SQL
- Types of Databases Intro to RDBMS

 - Intoo to kuys

 - 1. Super kys
 2. Candidate keys
 3. Primary keys
 4. Composite keys
 5. foreign keys
 - Guide for setup of installations



Peoble:

Applican

mobile no.

photos

graceny list
bills

tert

Google docs
excel
notion
Contacts
to_do_list

Scaler

id	name	dsb	attendance
1	Rahul	59	ეს
2	Symin	35	10 8
3	Ankit	love	80
4	Surge	88	35

=) Open -> line
=> read -> Split
=> compare

91's cumbersome to perform operations
& get dome informat here.

Drawbacky:

1) Inefficient:

- → 10 10
- → 10⁹ ~ 1scc
- -> time = 100 sec -> log (N) =
- 2) Data Integrity:
 - -s lets soy in your pep if you find str -> data integrity.
- Conumency:

4) Security issues:

- passwords de.

What is Database?

* A dotabase is a collect Air base : Aircrafts
of related data.

Army base : Army personnels
Naval base : Ships

Scaler:

Students

classes

- Advanced data Structures: B-trees.

- Database Management System:
 - It is a software which helps as to manage data efficiently.
 - * SQL, postquess etc.
 - Create Read Update Delate
 - => 7_10 days please oftempt contest.

 - 45 hard days challenge? consistency
 45 hard days challenge?
 45 You have to study SQL &
 Solve Assignments I HW
 - 8130326501 : Whotsapp only ______

* Cyrriculum:

- Into to DBMS & SQL
- → CRUD
- Joins
- → Aggregate

 → Subqueries & views

 → Indexes
- > Transactions > 2
- → Schema Design → 2 Soder
- # Mock interview

* Types of DBMS:

1) Relational DB

→ SQL

> Here, we store data in form of inter-seletel tables.

students unelited

> batches

id	Name	psþ	5-18
1	abc	80	1
2	def	90	5
3	<i>y</i> hi	85	١ ١
14	Klm	95	1

brid	5-name	s_date
1	1	. 1
2	abc	1 ,
3	XYZ	1
4	×73 KI~	01

2) Non-Relational DB -1 No SQL # HLD

-> They don't fillow relation module

Ex: doc, ky-ralue, graphs etc.

* Properties of RDBMS:

- 1) Stores data in fin of inter-related tables
- 2) Every row is unique:

id name psp attendance

1 Rahul 99 90

2 Syman 99 100

3 Syman 99 100

4 Suya 88 95

- 3) All volves in a colom holds some datatype.
- 4) All values are atomic

 -> We shouldn't put list of values
 in a cell.

Studenta (*)

id	name	Phn	attendance
1	Rahul (8150, 2871	ეს
2	Symin	1234	10 a
3	Symin	5178	106
4	Surge	31011	35

every coll Should hove Sirgle value

- 5) Column seg. is not guoanteed:
 - Data in background is stored in any non-sequencial form.

Ps: In MySQL it fillows the sequence.

- 8: In MySQL it fillows the sequence.
- 7) All column names are unique.

Keys in Relational Databases:

id	name	ps p	attendance
1	Rahul	59	ეს
2	Symun	35	10 8
3	Symin	35	100
4	Strye	88	35

- · Keys help us to uniquely identify a sow

 - 1. Super kuys
 2. Candidate keys
 3. Primary keys
 4. Composite keys
 5. foreign keys

Super kys:

Students table

id	name	dsp	attendance
1	Rahul	39	ეს
2	Syman	35	<i>1</i> 0 &
3	Symin	35	106
4	Strye	88	35

Definition: A Super key is a combination of colon using which we can uniquely identify a sow.

duiz 1:

- a) s_id, c_id
- b) f-nome, 1-nome

Quiz 2:

Ps: Only s_id is also a Super key.

Quir 3: