

* Agenda:

- Candidate key
- Primary Key
- Composite key
- foseign key
- SQL:
 - a) Create
 - b) Read
 - c) Update
 - d) Delete

next session



* Candidate key:

Students

name	cmail	bhone_no	olsq	batch
	Rehle	815	89	1
Naman	Name.	032	5 1	1
Rahw	Rehule	6501	98	2

	(SK)	(CK)
name	×	×
email	✓	\checkmark
phoneno	✓	~
(psp, batch)	×	X
(name, botch, psp)	X	X
(name, phone_no)		X
(email, phone-no, now	me)	×
(email, phone_no)	/	X

This is min' no. of fiells/columns required to uniquely identify a sow is called Candidate key.

3 If we remove more col from a Candidate key then we can't uniquely identify a now.

PS: (K is a Subset of Sk.

Scaler >

S_ id	class_id	attendonce	
1	5	70 .1.	
2	7	80 %	
1	7	901.	

Quiz 1: Is a CK alusays a Sk? Yes

Quiz 2: Is a SK always a CK? No

Quiz 3: Which is CK?

SK CK

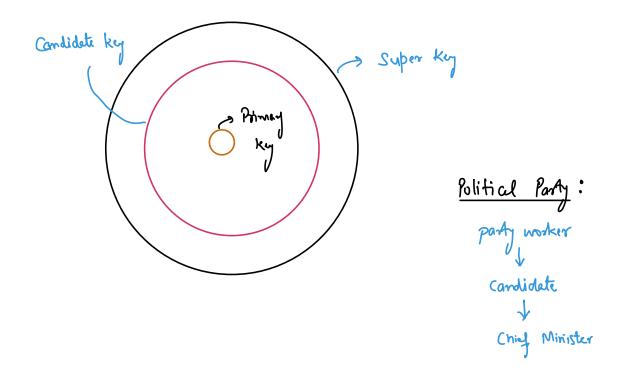
a) Emp-id, dep. X

5) Email V

c) finame, liname x x

d) Lname, dep x x

Quiz 4:



Primary Key:

Students

S_id	name	دسمنا	bhone_no	psb	batch
1		Rehle	813	89	1
2		Name.		51	1
3	_	Rehule		98	2

email → str phoneno. → int

We choose a primary ky from set/amony
CK.

Internally:

- Dobn IT sorted according to PK

- Indexing is also done on PK

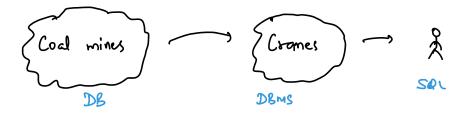
A Good Primary ky should:

- 1. Be fast to sost on
- 2. Have smeller size
- 3. Ideally it shouldn't change

Introduction to SQL:

RDBMS

SQC: Structured Query Conqueye



C reate

R ead

U pdote

D dete

Create

SQL is case-insensitive (RaHUL = RAHUL)

create table table_name (

col_name data_type constraint
);

Composite key:

is a key with more than one column/field

foreign keys:

Students 1 Rahl abce... 1

Anshul 84e.... 2

Joid name st.date

1 SQL1 --

foreign key: It foreign key is a column in a table that references a column in another table.

-> ON Delte, ON UPDATE

1 Cascade: Delite → Delite
Updete → Updete

2. SET NULL: ON Delete or ON Update
it will set data in students
table to were

- 3. No action: By default Myscal takes no action.
- 4. Set Default: