Class will stort by 9:05 PM
Agenda:
1 Keys 3
Cardidate Keys
Phimosy Koys
Composire Keys
Foreign Keys.
(2) CRUD operations.
much C- Create months
R-Red
U - Update
D-Delete
Super Keyr Recop
errail, phon

phone, botchid, pep

phoino

batch_id ×

rane of

pep X

In many of the Super Keys, there were columns that didn't play any role in uniquely identifying a now.

Even w/o those attributes, we would have been able to identify the seaws uniquely.

Cardidak Keys & Super Keys with the least possible Size o

Super Keys, where if you remove any more columns, Pt will not be a Super Key any more

Supers try, where cell the when the when see seequired to identify they now.

eg (a, b,c) (b,c) x (o,c) x

just (Harans,) 12 a Carolidade Ray.

Atknolance

Stevelent_id	Class_id	Atkadance pucentege
1901	191	87 %
402	191	30%
K03	191	HO%
ROI	202	30%
RO 2	210	40%
U0 3	210	870%

Super keys

(Steudent_id) ×

(Closs_id) ×

(attendance_9) ×

(Stedent_id, attendance) X

(Closs_id, attendance) X

(Stedent id, Closs_id) L

(Stedent_id, Closs_id, attendance)

(Stedent_id, Class_id, Ida bla bla)

Carolidale Key? A super Key in which all the attributes over reardatory to identify a how.

All candidate Keys over Super Keys
But not the Opposite.

All Super Keys over not condidate Keys.

Employee		
emplayer-id	emuil)	depostment
2		
3		
<u> 4</u>		

(employee_id, deportment) Super ky.

(email-id) Luprky

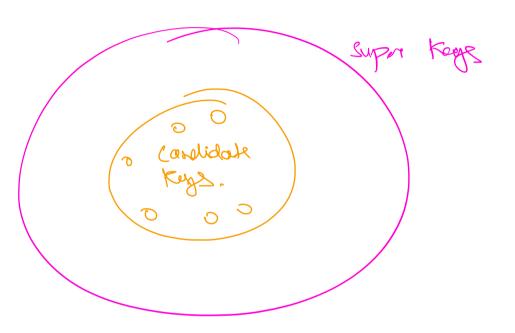
condidate key

Mok 3 -> A table can have me thiple

Cardidate Keys.

> Twist a super Key, whole

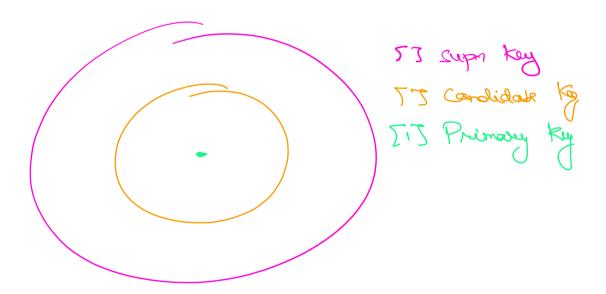
Columns are mandatory to Identify
or how



Supar Kuys ? All the porty workers Condidate Kay: Best Super Keys. (can be Preinage Key: 1 Chief Ministore. Multiple)

Any database, can have multiple candidate keys (enail), (phose no.) ...- But when I actually create a Table in a coldatabase. It will torce me to specify a set of columns to eniquely identify the rows.

Primary Kay 3 A condidate key selected to be the unique set of column to help identify a rease of the Databall.



Database will sort the table by the

Primary Kayo

Primary Key is the inden for a table

Value by which table is sortedo

School from Students.

School from Students.

Super by the

Preimosey Key. - (steedent-id)

How to choose a premory key

Cool Pk

(1) Single Column. > Speed

(2) Integre Column > Speed.

(3) It Should never change.

(4) X

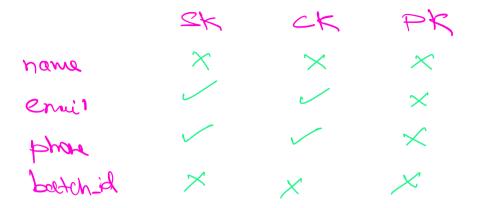
Steedents all string col 1

2 name connil, phone no. batch-id

2 what should be the PRS

Introduce id as the PRo
Having an Pol 12 usually the best
Options

v



Atkrolance

I's student-id! class, id, attendanc. perc.

1
2.

Student-id, class id v coordidate key.

Much Int Int

Better.

Pair 12 good for PK

Breach till 10:34 PM

Composite Kry > 5-10 Min

Foreign Key & 20 Min

By defaelt, in MySOL, taving an 'id' as the PK, it will always auto-increments

Composite Keys 3

A Key with more than I will

SK

Sk

Sk

Single composite Sk

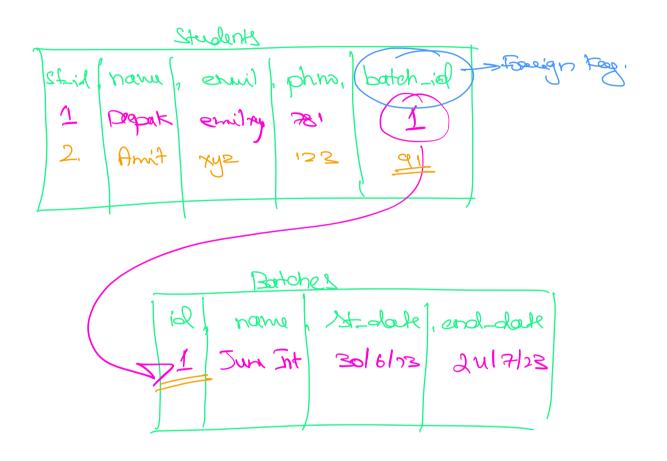
(enail) (enail, name) (phno.) (phno.) (phno.)

Studential Studential (attendance)

table)

Foreign Koys

Nothing to do with PK, CK, SK.



Foreign Key: A color or a set of color that will help uniquely identify a seaw of another table

(triantano)

If we try to do an entry with wrong FKS
Possibities > error / NULL

Specifying a FK, will help mointain Data integrity

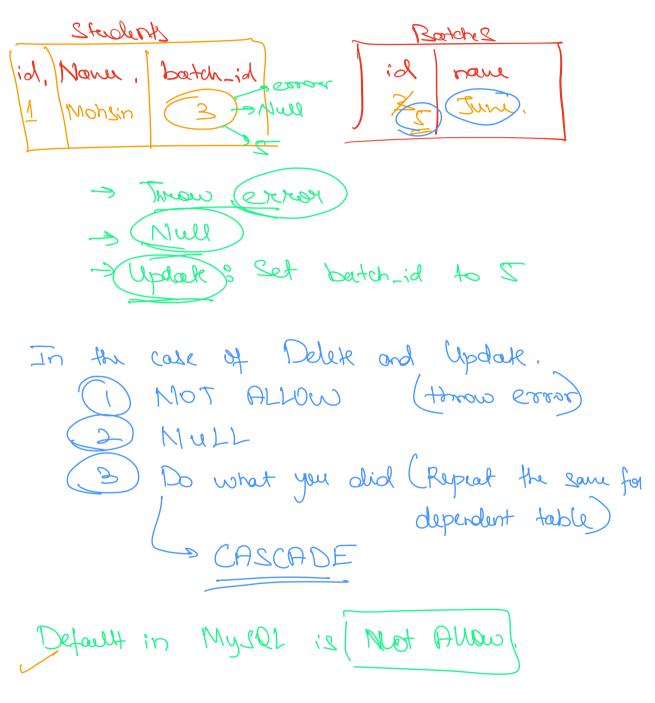
> while inserting, possibities are extent

-> Deletity an entry from the other table:

NULL > Set botch id in Students

Delete = remove the students with that bottch_id:

-> Updale. Charge bottch-id in batones table



Insort, Dolch, Updak worthwairds are defined at the time of creating the touble.

Notes?

1) You can have multiple FK.

Steelen's id name. batch_id instructor_id mentor_id

id of id of id of id of

Batche Instructor Mentore

Toble Table Table.

2) FK Should have uniqueness in the Other table (Not recessorily it Should be a PK).

Shedents

id rame batch-rame

Ratchell

id rame as long as hame

is unique.

My SQL (M/W)

Install

My SQL &

My SQL workbench

Bekila Doutoset

Official MySQL Dotacet

All the tables, with

huge # of nows

Study all the CRUD

oporations using this

dataset.

alers table			
Tol rame	wit troop	ead time	Steedent Count
Jasa Sept		-	30
212 2009 Jym	_	~	Чо
7777	1	1	
Attendano St-id Class 123 Mul	Suid pag	\ 	
Nul	200 (2-22		

Creak TARKE Attendant

id, For Preinvey by

rows

:

Toregin Key (id

ON CASCADE