"SQL 2" Installation luide

Every Row is Unique"

Students

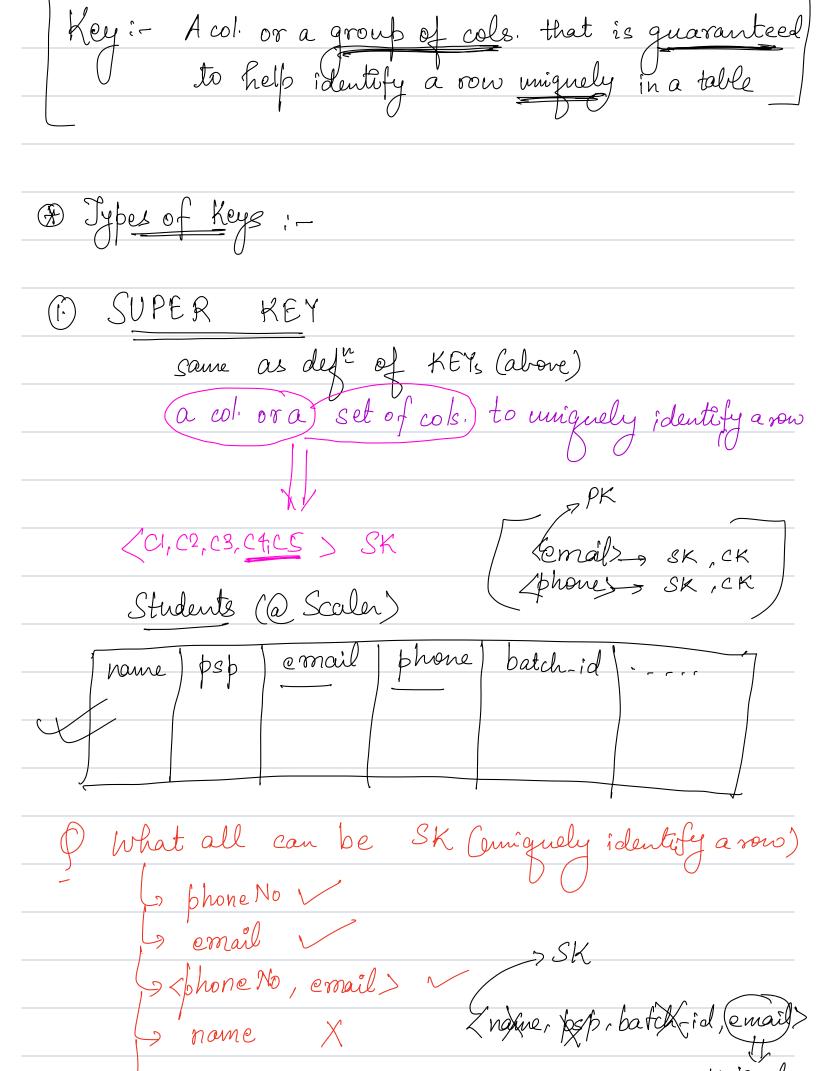
id Name Phone

Ankit

Vivek 12345

Avoid Amibiguity Roll

And Confusion



La maile, emailes

(nome, email)

De Candidate Keys

Treb. w/SK

Extra cols.

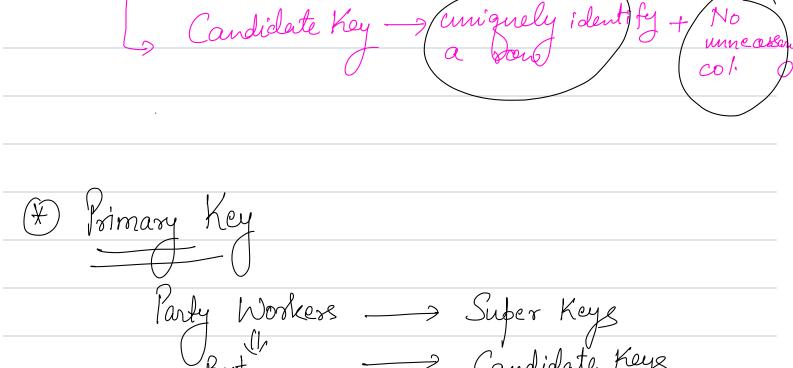
Def! - SK) of smallest size

not nécessarily contremove even single col. from set

Table: Attendance

	Student-id	class_id	attendance - per	eentage (5),
	4000	001	25 (87)	
	401	001	100	
	402	001	93	
	4000	002	84	
	404	002	100	
	SK] CK]	St-id, clas	8 -id >	
13 tud	utid X / x uniq	judy identify	a row	
class	-id X X			
				C'1/

(Student-id, class_ig) -> SK,CK < class-id> ___ six (Student-id> -> SX L, 001 = 2 | 5001 | 5001 | 5002 lars id I student id Class Rotalid student_id 1 Company-sd 001 001 002 003 001 001 002 00 3 Colass-id, student-id> -> XX (company-id, classid, student-id) -> 15k CK Kemember (uniquely identify a proprietation > Super Key >>



Primary Key

Party Workers -> Super Keys

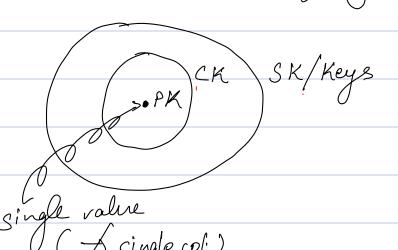
Best -> Candidate Keys

Only one CM -> Primary Key

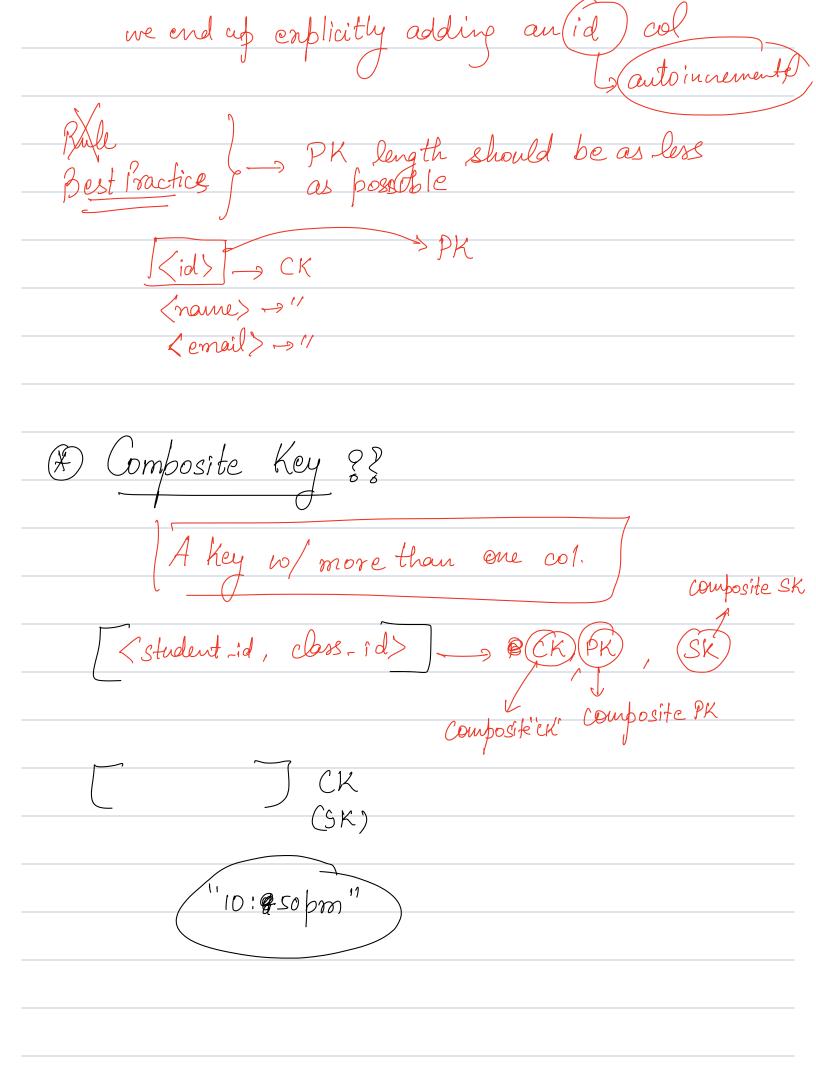
DB enforces DB designed der. to define [On E]

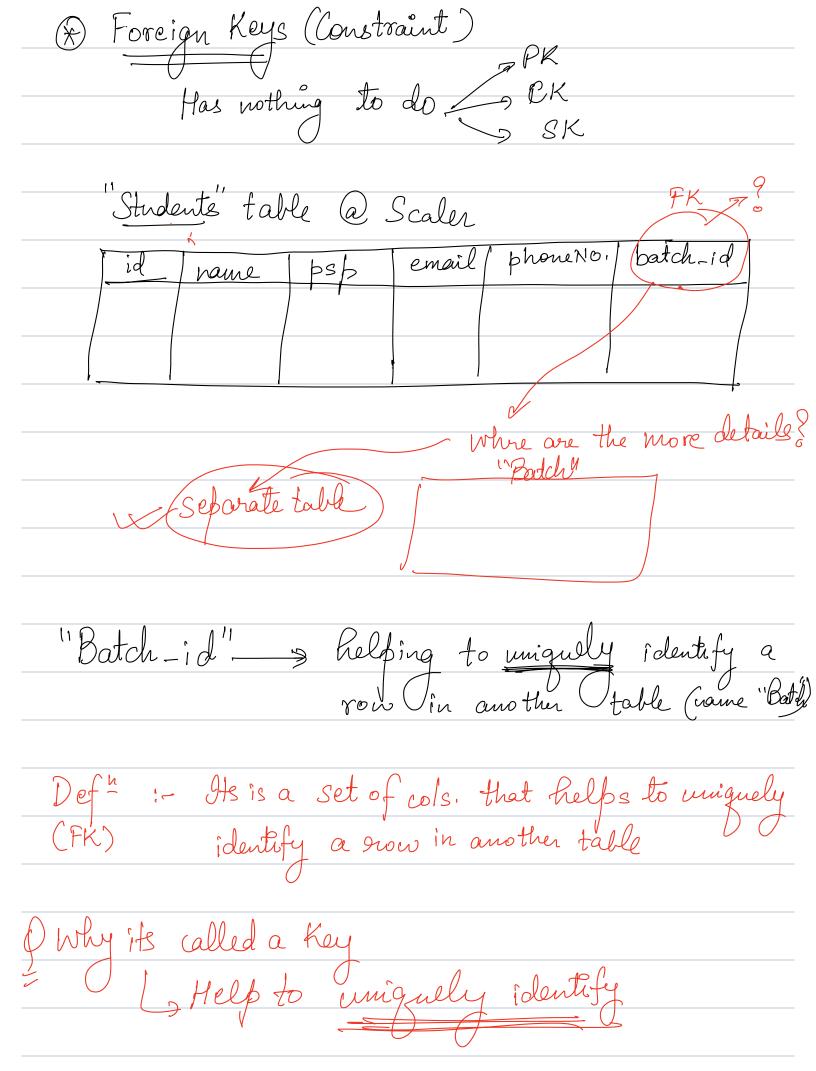
PK

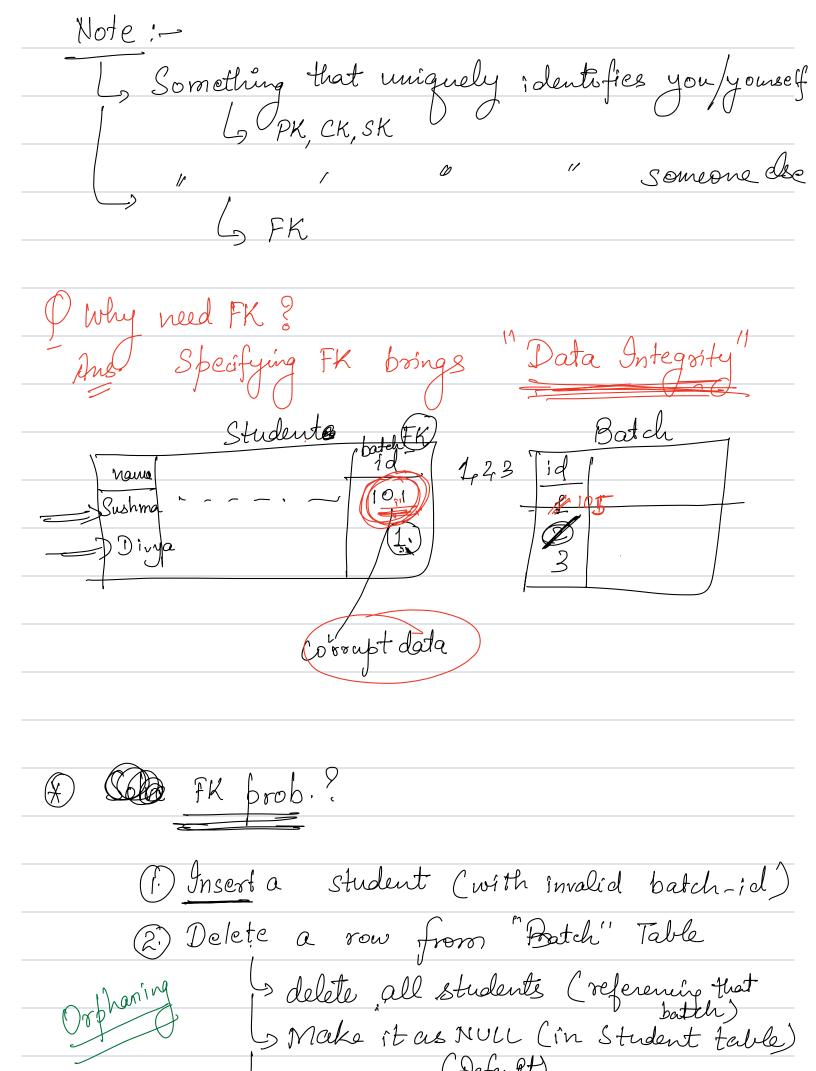
Defh: PK is a CK scleeted to be unique set of col. to uniquely identify a 20009 natable



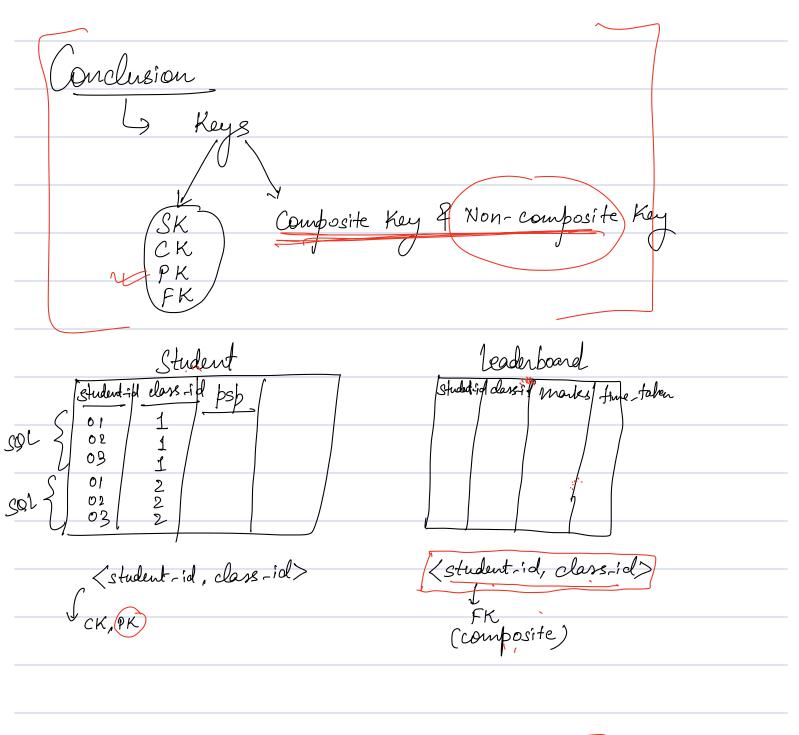
(purposite	
Composite Ly strong Any hay w/ more that one colo	
col	
O why SQL enforces to select PK?	
Owhy SQL enforces to select PK? Greating index	
L DB conts the data PK	
Lo DB corts the data PK DB outputs data (sorted)	
JB outputs data (500)-41/	
PK is the CK that DB dev. chooses,	
Students	







S Disallow deletion
(3) Update a batch (with diff' batch-id)
Incosistant 3 alternatures as above
* Sola CASCADE SQL
Jo what you did SET NULL Serminologie
NULL (replace)
do what you did NULL (replace) Restrit/Don't Allow
* Note:-
In SQL, when you create a FK, you can specify what to do in case of DELETE or UPDATE on another table
(what to do) in case of DELETE or UPDATE on
another table
O Which is better?
Ans' Depends (on Prob. State ment)
FK need not be PK in another table
* Composite FK



HW:- (Install)

MySQL 8

MySQL Workbench (IDE)

Salvila DB (Sample data set)

