## # table/relation

each row should be unique

<u>student</u>

f_name	L-name	Roll no	4-14	emaif	w -no
Akhilesh	yada v	15	2	abc@gwai	
Apoora	kr	30	5	a1@gmil	
mayer	ye(make	15	1	92 Dynail	·Ou
akhilesh	yadav				

keys:- keys are combination of attributes

that uniquely identify each tuple/row/record:

total combination = 2<sup>n</sup>-1

Super keys: keys are combination of attributes

that uniquely identify each tuple/row/record:

it may contains some extra attributes than

necessary.

	super keys	candidate keg
5 f- name 3	×	×
{ f-name, L-name }	×	X,
{ f. name, l. name, email?	✓	X
{ f.namp, email}	V	X
{ L-name, voll, no }	X	×
Se mail?	V	V
{ L_name, voll.no, d_id}	V	×
{ roll-no, d-id?	V	V
g m-no?	V	V
(A) AI	90	Prep
candidate kegs; of super key.	A candida	te key is minmal
{ finame, l-nai { Liname, { email	email? u	V Х / Х
<b>y C 10 1</b>	•	

Primary key: it should be unique. A primary key is selected from condidate key. by dB designer null. cannot be iŧ m-no - as - primary key X s-id → primary key Prinary key m -no 4-14 Roll no S-id f\_name L-name 34+624 1 Akhilesh 15 yadav 2 Apoora a1@gmap.on 987989 872)45 kr 30 92 Ogmail au 389945 3 15 1 mayar yelmale 976623 Akhilesh yadav Course 5\_ mno C-id Crname 917934 or pc . 345624 2 x42

PK) _	Stud	lent	soreign. Key				
	S-id	f_name	L-name	Roll no	4-14	email	
	1	Akhileth	yadav	15	2	વક્ડ@કુખ્યો	
	2	Apoora	kr	30	5	a1@gma	
	3	mayer	ye(make	15	1	92 <b>9g</b> m	
	4	akhilesh	yadav				

depai	department primary Les		
	d-id	d-name	d-hod
	1	orpc.	Aryan
	2	xy2	Subrany

## break till 9:25

```
e <u>Server Tools</u> <u>Scripting</u> <u>H</u>elp
Query 1 ×
 Limit to 1000 rows
★
★
♥
Q
¶
□
Imit to 1000 rows
★
▼
★
♥
Q
¶
□
  1 • create database mydb1;
  2 • create database if not exists mydb1;
  3 • drop database mydb1;
  4 • drop database if exists mydb1;
  5
  6 • use mydb1;
  7
 8 • ⊖ create table students(
  9
      st id int primary key,
 10 f name varchar(20),
      1_name varchar(20)
 11
 12 );
 13
 14 • insert into students values( 12 , 'lokesh' , "kumar" , 1);
 15 • insert into students values( 8 , 'subransu' , "sekhar");
 16
 🚞 🖫 | <caption> 🖟 👰 🔘 🕲 🚷 🔘 🚳 💮 🚳 | Dimit to 1000 rows 🔻 埃 | 🥩 🔍 🕦 🖃
 17 • select * from students;
 18
 19 • ⊖ create table Departments(
 20
           d_id int primary key ,
 21
          d name varchar(20),
          Hod varchar(20)
 22
      );
 23
 24
      insert into Departments values( 3 , 'd1' , "aman");
 25 •
 26
 27 •
       alter table students
 28
           add d id int;
 29
      alter table students
 30 •
           add constraint fk dept id foreign key (d id)
 31
 32
           references Departments (d id);
 33
 34
```