

SQL Session - 2

"Extracting data using SQL"

Prerequisites: You have attended
and fully understood Session-1

In this session:

- ① Revisiting Datatypes ✓
- ② Keys ✓

③ Entities and Relations

④ Data Warehouse (What is BigQuery)

* Topics marked in
"RED" will be covered
in Session - 3

Revisiting SQL datatypes

① String → "Great Britain"
→ CHAR (300)
→ VARCHAR (300)

② Numeric
→ Integer
→ Float (Decimal)

③ Date Time

④ Boolean → True / False
TRUE FALSE
true

In SQL, keywords are NOT case sensitive

Keys

Enter your Details

Name *

Phone_No

Email

Age *

ID_Type *

ID_No *

Gender

Unique key
unique

Unique key
unique

Primary Key
unique
NOT NULL

Name*	Phone_No	Email	Age*	ID_Ty*	ID_No*	Gender
Raj	93 641	NULL	62	Aadhar	563...	M
Anu	97 310	anu..@	34	DL	KAS1..	F
Abdul	99 015	NULL	73	Aadhar	884...	M
Sana	77 686	Toocool@..	39	Aadhar	701....	F
Raj	NULL	NULL	3	BC	296...	M
Sac	97 564	sar1995@..	27	DL	MH98..	F
Anu	84 ... 132	amalik@..	63	Aadhar	831...	M

Alternate Scenario
 where 'Phone_No' & 'Email'
 are compulsory fields

✓ P K

Candidate
 Key
 unique
 NOT NULL

Candidate Key
 unique
 NOT NULL

Candidate Keys
 unique
 NOT NULL

Name*	Phone_No*	Email*	Age*	ID_Ty*	ID_No*	Gender
Raj	93 641	r858@..	62	Aadhar	563...	M
Anu	97 310	anu..@	34	DL	KAS1...	F
Abdul	99 015	abd15@.	73	Aadhar	884...	M
Sana	77 686	toocool.@..	39	Aadhar	701....	F
Shah	65...-123	551@..	60	DL	296...	M
Sac	97 564	sar1995@..	27	DL	MH98...	F
Anu	84... 132	amalik@..	63	Aadhar	831...	M

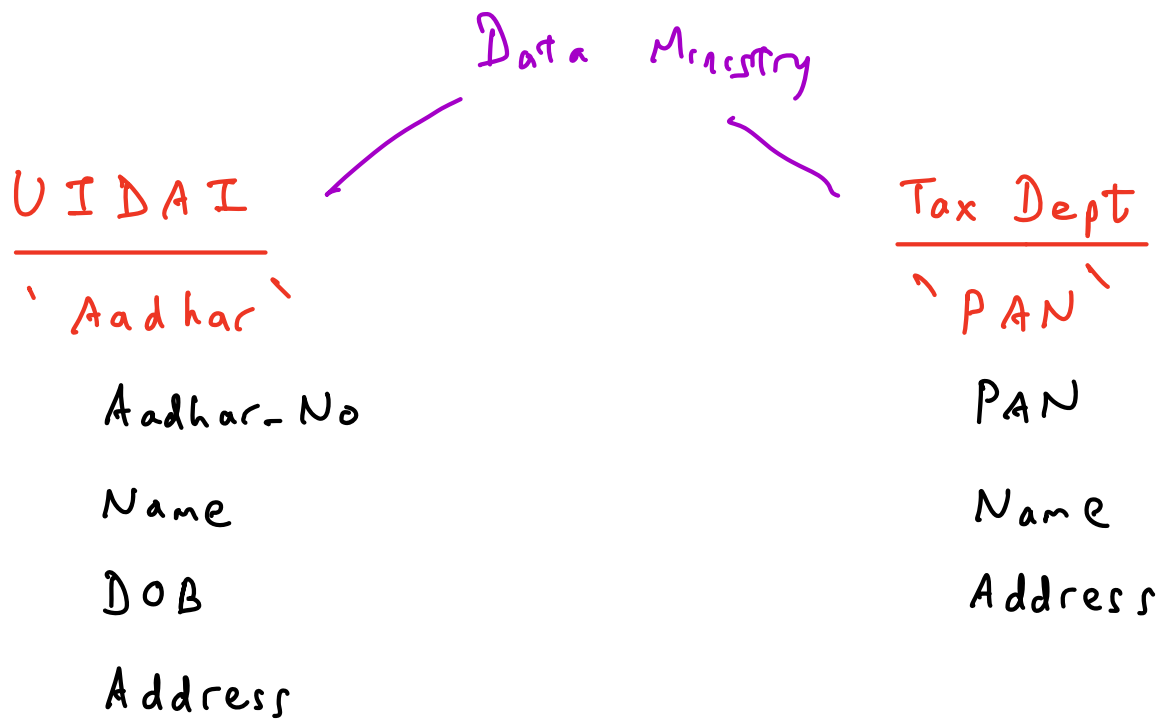
Revisiting Keys

- ① Primary Key
- ② Candidate Key
- ③ Unique Key
- ④ Foreign Key
- ⑤

Editable?	NULL?	Duplicates?

Types of Relationship b/w two Tables

#1



NOTE: This explanation
is incomplete.
Will be resumed
in Session - 3