


Concept of Keys -

Keys → Setup some connectivity between two/more two tables/dataset

- ① Primary Key = ③ Candidate Key
- ② Foreign Key = ④ Composite Key

① Primary Key

↳ a column which can be used to uniquely identify a column

{ it cannot be Null }
employee → Primary Key
↳ emp_id
↳ empname
↳ empaddress
↳ passport_num ⇒ Candidate key
↳ license_num ⇒ Candidate Key
↳ SSN ⇒ Candidate Key

② Candidate Key

↳ Apart from

Primary key if there is any column or set of columns which can uniquely identify record.

Q.) Diff b/w Unique & Primary Key?

→ Common thing → Both has to store distinct/unique value

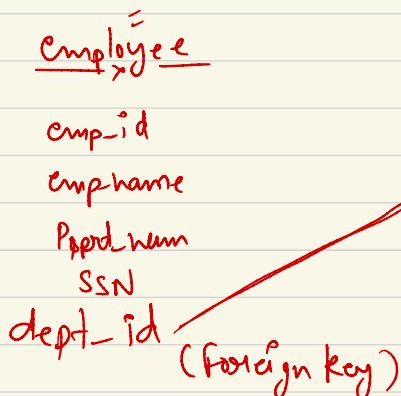
→ Unique = It can be NULL also

→ Primary key = It can not be NULL

③ Foreign Key

↳ Primary Key of a table

which will be used as
a reference in different table.



department

department-id (Primary key)
dept-name

1000 Records in
employee table
↳ 1000 unique emp-id

5 departments

employee

emp-id	name	salary
1	A	1000
2	B	2000
3	C	5000
4	D	2000

department (2 dept)

dept-id	dept-name	emp-id
100	HR	1
100	HR	2
100	HR	3
200	Software	4

department

emp-id	name	salary	dept-id
1	A	1000	100
2	B	2000	100
3	C	3000	100
4	D	5000	200

dept-id, dept-name

100, HR

200, Software

- ⑧ Normalization
⑨ Data Anomalies } → Reading Exercise

① Composite Key

↳ When more than 1 Column are needed to define primary key then it will be known as composite key

employee

↳ emp-name
↳ address

Composite Key

↳ city
↳ phone