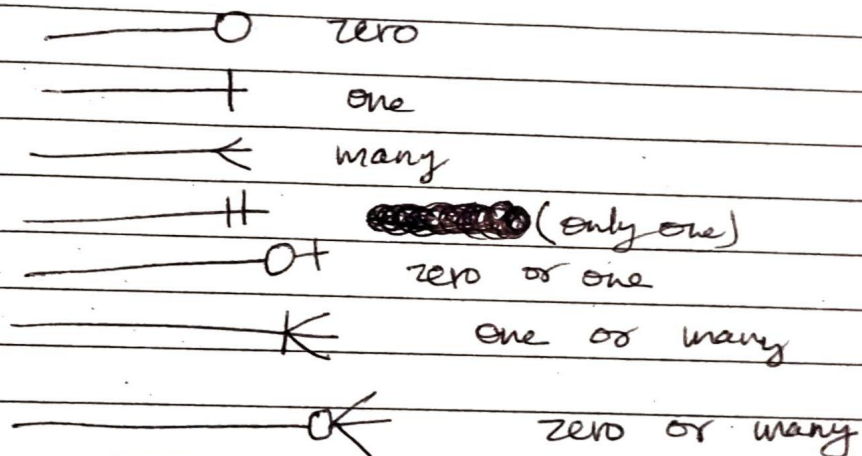


★ Relational database :-

- most used/important database
- hierarchical database is used in Mainframe computing & object oriented databases which use object oriented concepts as C++, Java etc.

rels



- role in application programming →

Select

~~record~~

record

↳ record set

• text → can't store much characters than varchar.

querying : \Rightarrow seeing the data. (Pulling data together)
 \hookrightarrow change, delete data.

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Constraints : \Rightarrow

- to create rel^{ns}.

① primary key : \Rightarrow unique id, only 1 in a table.
Not Null.

• ★ referential integrity doesn't allow to do anything in table which can violate relations.

② Unique key : \Rightarrow many in table... Unique, can accept only 1 null.

③ Composite key : \Rightarrow it is a primary key or unique identifier that is made up of more than one attribute.

DML \Rightarrow data manipulation language

- select
- Insert
- update
- delete

DDL \Rightarrow data definition lang.

table
view
stored procedure
index
database

create \rightarrow
alter \rightarrow
drop \rightarrow

select distinct managerid from person



(merge all duplicate lines)
(shows only distinct values)

select distinct managerid, firstname from person

↳ (show only distinct combination
of managerid, firstname)