

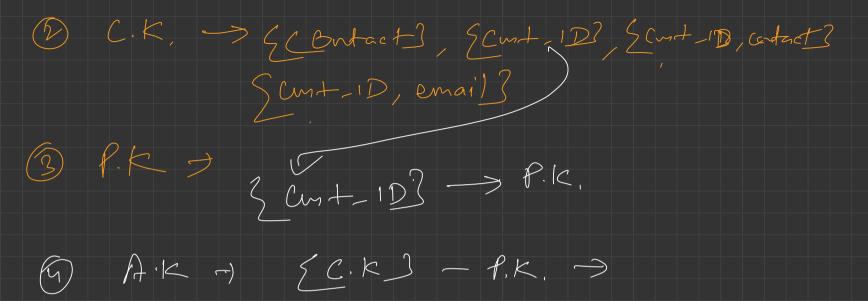
Relational Model !-- ant D Tables 13 - Name - addrey - Contact Table > Relation > Contact addm

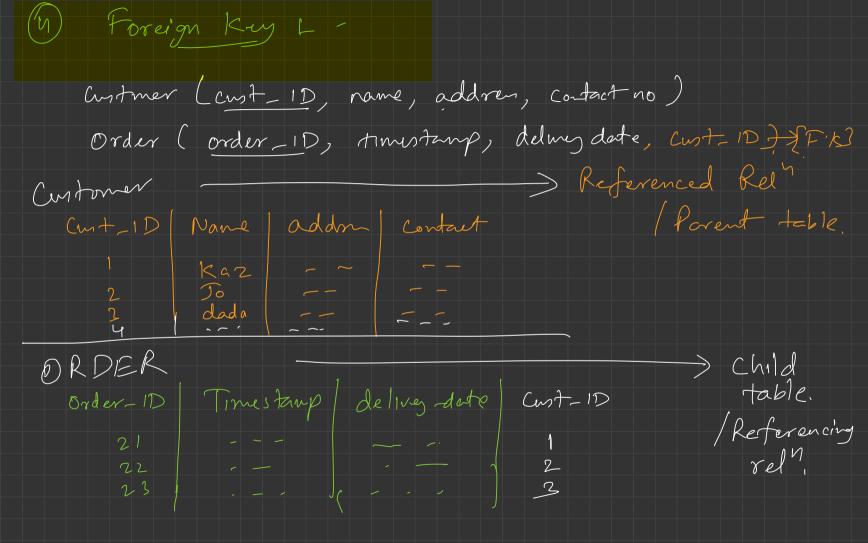
Degree of table > No. of attribut. Cardinality -> Total no. of Aple. 7) DB design 1-> ER Model -> ER diagram.

Relational Model > 3 RDBMS -> Software DBMS Software implendator of RM My SQL, MS accen, Oracle etc.

add rey D Continer (Cust-1D, name, addres, contact no.) DRDER (order-1D, twestamp, deliver-dote)

2) Kry > Forgein Key 2) Kegs -> Primay ky -> each data point unarely identify Cust_ID Name | Contact | addres | email / SCust-ID3 email), (Cust_ID) SMW 1 Super ky j [Cust-1D, Name, contact, email] SRaj, 8883 SRaj, 8113







A Surrogate ky > Table of School A reg_no reg. no hame Ram Monika Ram 101 Merged. 103 teda 102 Monika ABIOI Tommy 103 Tada. Nota, table of school B reg_no AB101 name. Tammy Nota. AB102

CRUD contact. Age. Create Rollio Name

* Referential contraint Costomer: - Cont_ID | Warne

Perent religible. 1 | Kaz

Referenced 2 | To

Dada add contact no. ORDER 1-Childn 21
Referecing table 23 delivery date Cust_ID -> F.K, Timstanp × NM, 1) Insert constraint I value can't be inserted in child table if the value is not lying in parent table. Delete constanti) value can't delete from parent take

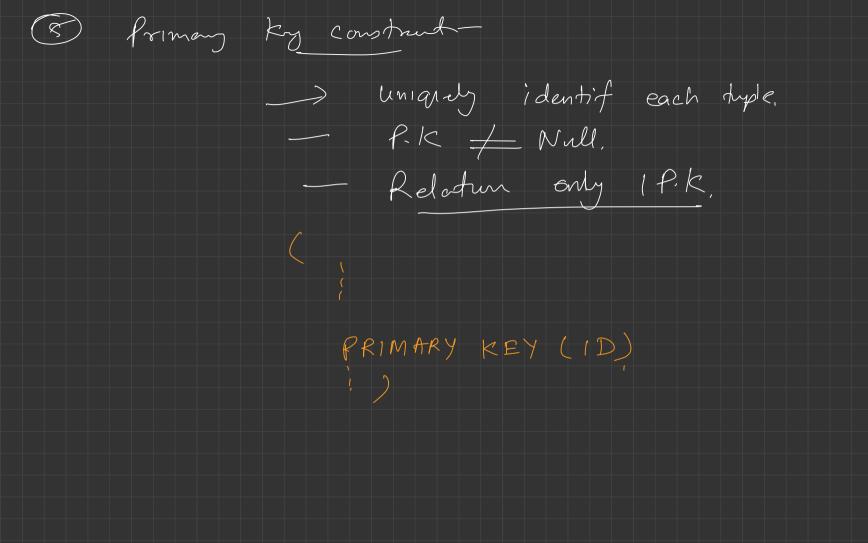
-) ON Delete Coscade |can we delete value from parent table if the value is lying in the child table w/o violeting dette constant? -> delete value from parent table -> delete corresponding entry from child table too. create table Order (order-1D int P.K, --- cont-1D int referencing Contomer on delete concade); z) Can F.K have Null value? ON Delete Wull y delete value from parent table Put corresponding F.K vahe Null.

X Ky Constants 1-Not Null) By defaut a attribute/ column com be Null.

Enforce a column to not accept will. create Table Continer (1D int Not Null, Name varchar (50) Not Null, Age int

2) Unique constraint () ensure all values in col. are diff. - Both umare & P. K constraint provide uniquenen. - you may have many umare constants per table
But only one P. K constants per table. create Table Contoner (1D int Not Null, Name vouzhor (50) Not Null, unique (ID)

3) Default Constant ? () set default value of col, create table contomer (Prime-status int DEFAULT 0, linit value Range (Domain) CHECK (age >= 18)



6 Foreign Key Constrant - Keeps reln b/m 2 table. Create table Order (PRIMARY KEY (order_ID) FOR EIGN KEY (Cost_1D) Referencing Customer (Cust-12)