

> Important properties of a table in RM. The values have to be atomic. Can't broken further.

- Each table have unique mame. O The name of each attribute/Columns must be unique. O Each tuble must be unique in a table. The Sequence of you and column has no Significance. The emote of the last Relational Model Keys 30 A set of attributes which can uniquely identify an each tuble. D Super Ker: (SK) Amy Combination of attributes

present in a atable Which can a uniquely identify each tuple.

It can be NULLED & I late SName, contact }, I Name, email }, 2 cust-ID, email), { cust-ID} ¿ cust-ID, Name, contact, email? 8600A-211, 1227M =



Candidate Key (CK): - A minimum subset each tuple. It contains no redundant attribute It shouldn't be NULL. E.g. [Sast-ID, contact] Sast-ID?

Saist-ID, Email? · Here we remove the "name" att i bute as it an have some name. Although (name, email) may can in iquely identific austonies Primary Key (PK): - A subset of CK Which has least no of attainbuted. Erg. 65 cust. - 30} your promot in side of the persons. A) Alternate Key (AK): In a subset of ck" we choose only "cust-DD" as a primary Key. All the other mays are AK. Foreign Key (FK) in mod Dans Hall It shows relation between two tables. E.g. -> We use two table to show the relationship.

There "customer places ander."

Customer. [ Cust-ID, name, address, Contact no.)

order :- Corder-ID, timstamp, delivery docte).

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	order table 10		\
6	Comberned Key: - Primary key formed at least 2 attributes.	Lising	\
(9)	at look of attributes.	3h V	\
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7	Compound key: Primary key formed	Wing	\
	2 foreign key.	0	
<b>8</b>	Survigate / Key 2: - and Lead and and	YWI	
State State of State			
-	Synthetic Primary Key generated	Mas fromotive	4
	by DB & usually an integer value.		5
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	E.g. = Suppose me have two schools dota & me ane	merging	1
	it. Both schools have different Primary. SO V	ve ye s.x	5,
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## Integrity constraints

CRUD (corone, Read, Update, Delete)
operations must be done With Some
integrations bolicy so that DB is always
consistent

- (1) Domain Constraints or provided their
  - Restricts the Value in the attribute of valorion.

    E.g. => We want to specify that the student DOB

    Should > < 2002.
- Entity constraints the borness in what a lost a los
- (3) Referential Constraints

  Foreign key must the matching Primary key
  for its each value in the parent table or i't

  must be NULL.
- (4) Key constraints
  - DNOT NULL: restrict the user from having NULL Values.
- 2) UNSQUE: ensured that all values are different.
- B DEFAULT: Set default value, if novalue is entered trunkethe
- (4) CHECK: It Keeps check that in tegrity of data is maintained.
- (B) Privately Key: This attribute on set of oft. uniquely identify each
- 6 Porcignkey: Shows relation with botwen two table.