

Relationship Sets :-

A Relationship is an association among several Entities

for eg:- a Relationship that associates Customer Deepak with Loan L-17. This relationship specifies that 'Deepak' is a Customer with Loan Number 'L-17.'

A Relationship Set : It is a set of Relationships of the same type.

Mathematical Relation on

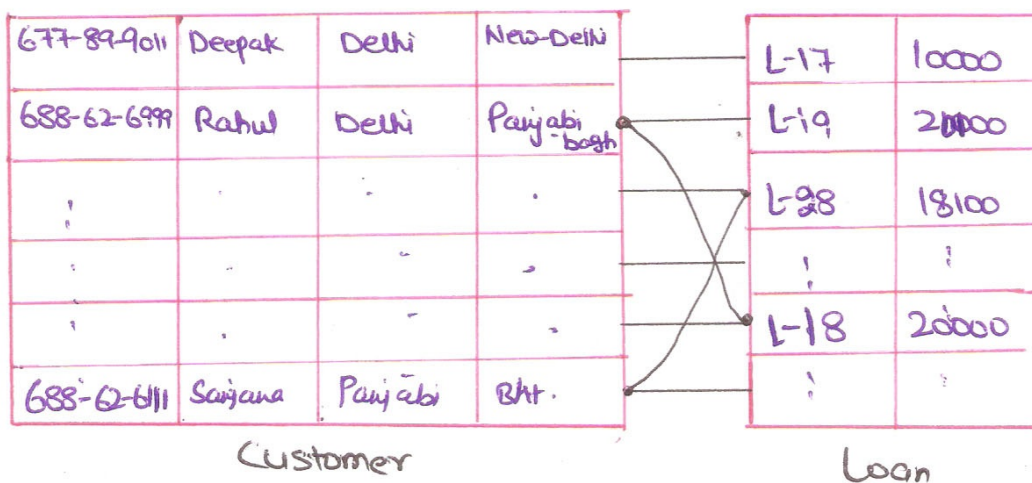
$n \geq 2$ (Possibly nondistinct) entity sets.

If E_1, E_2, \dots, E_n are entity sets then a Relationship Set R is a subset of

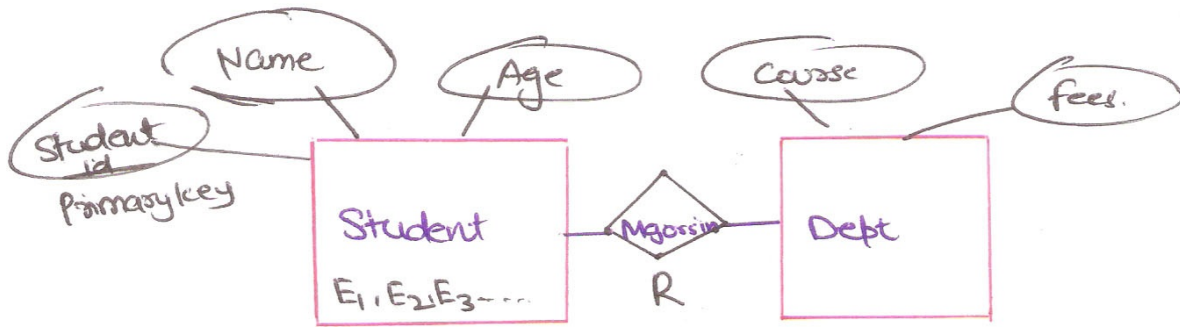
$$\{(e_1, e_2, \dots, e_n) \mid e_1 \in E_1, e_2 \in E_2, \dots, e_n \in E_n\}$$

where (e_1, e_2, \dots, e_n) is a Relationship

Let 'Customer' and 'Loan' entity sets defines the Relationship 'set Borrow' to denote the association b/w Customer and bank Loans



Relationship Set Borrow

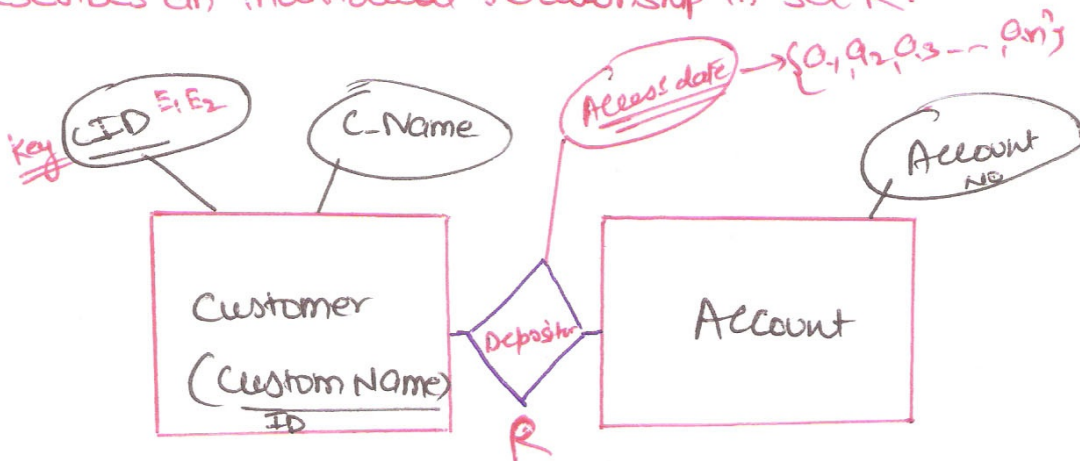


Relationship set R has no attribute

→ If the Relation set R has attributes (a_1, a_2, \dots, a_n) associated with it, then the set of attributes

primary-key (E_1) \cup primary-key (E_2) \cup \cup (Primary-key (E_n) \cup $\{a_1, a_2, \dots, a_n\}$)

describes an individual relationship in set R .



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