17/Nov/2016 Unit: 2 } Data model →

Concepts of Entities, Attributes, Association and Relationship →

* **Entities** *

An Entity is a real world thing with an independent existence. It can be any object with a physical existence. e.g., Employee, college, currency, Home etc.

* **Attributes** *

An entity has certain attributes. These are the particular properties of that Entity. which is use to describe it.

Student

Name	course	subject	session

} Attributes

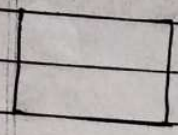
* **Relationship** *

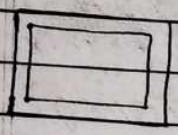
The logical association among Entities is known as Relationship.

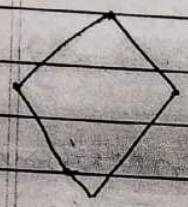
* **Association** *

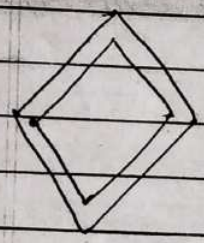
Every attributes is define by its set of values called association.

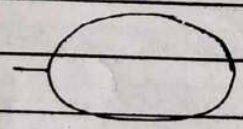
* Symbols used in ER-model and Diagram →

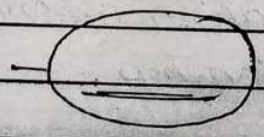
(1)  : Entity

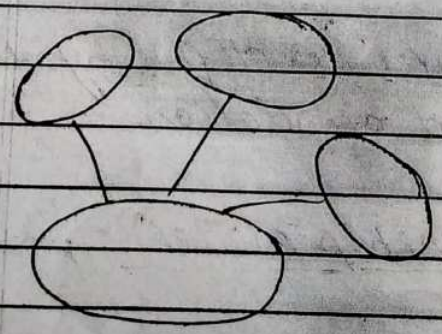
(2)  : Weak Entity

(3)  : Relationship

(4)  : Identifying Relationship

(5)  : Attribute

(6)  : Key Attributes

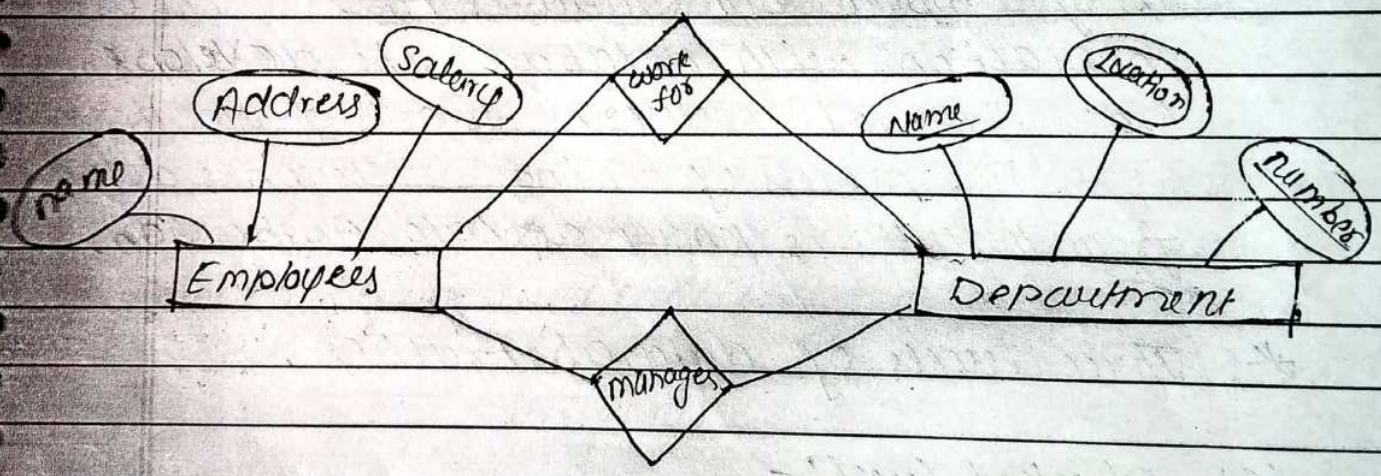
(7)  : Composite Attribute

(8) : Multivalued Attribute

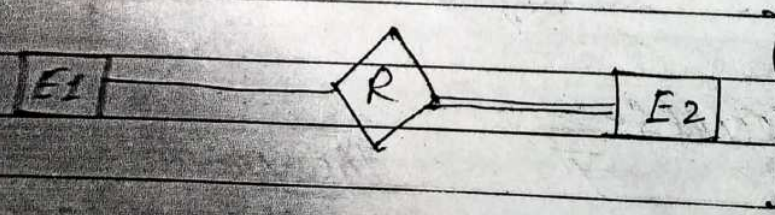
(9) : Derived Attribute.

E-R model

ER-model is a widely used high level conceptual data model. The ER-model and its variations are frequently used for the conceptual design of database applications and many other database tools. The ER-model works around the real world entities & their associations among them.



{Fig: Entity Relationship Diagram}



Total participation of E1 in R