E start our discussion with conversion of ER diagram to Relational model.

Entity Relationship diagram  basically describes the structure of a database with the help of a diagram. It is the blueprint of whole database.

In relational model, the data and relationships are represented by collection of inter-related tables. Each table is a group of column and rows, where column represents attribute of an entity and rows represents records.

We start with the simplest ER diagram, entity is simple converted as the table name called relation and its attrivutes are the colums of the table.

Attributes are further into simple and composite. Composite ones are those which can be further broken down into simple attributes.

We do not include the composite one in tasble, only the simple ones are listed as the column names. For eg, here only the column are …

Multivalued attiributes are those where in we cam store more than 1 values. Represented by double elipse. They have a separate table linked with the primary key of the entity.

The table includes all the att of the weak entity set and primary key of linked strong entity. Combination of partial key of weak entity and primary key of strong entity tpgether makes the primary key of table.

Relationships link different tsblers. They are of 4 types.

First one is many to many where we 2 separate tables for both entities and a table for relationship which primary keys of noth entities.

In one to many, number of tables are 2. We merge the relationship many-sided entity. Same with many to one.

One to one has 2 tables in which we have options to combine the relationship with either of the entity. Preference is given to the entity which is participating totally.