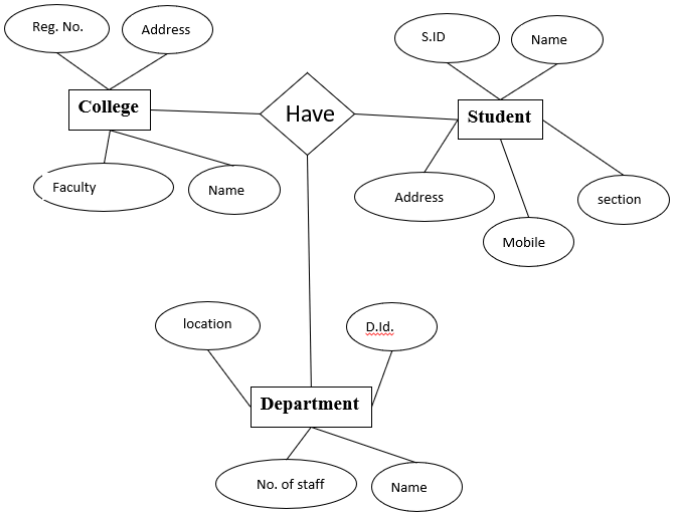
HOW TO CONVERT E-R DIAGRAM INTO TABLES

1. First select out Entities from E-R diagram.



Entities:

College

Student

Department

2. Now write down all attributes of each entity in a list form.

College:	**Student:**	**Department**
Name	Student ID	Name
Address	Name	Location
Registration ID	Address	Department ID
Faculty	Mobile	Number of staff
	Section	

3. Now create a table for any entity which columns are equal to attributes of the entity.

Registration ID	Name	Address	Faculty

Table College

4. Now write down the entities in columns as per given below:

Always write down the Primary key in the first column, its not mandatory, but it will make table easy to connect with another table.

5. Now place the Entity name as table title.
6. Follow the above-mentioned steps for all other entities.

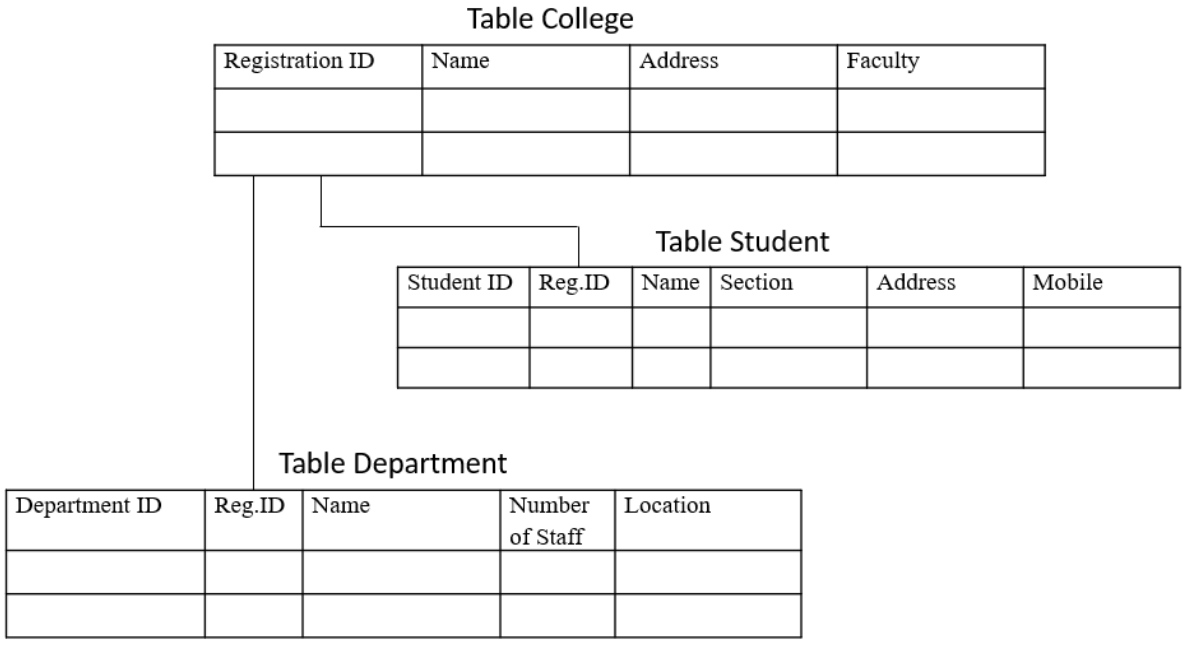
Department ID	Name	Number of Staff	Location

Table Department

Student ID	Name	Section	Address	Mobile

Table Student

7. Now if you want to connect all tables then selects the primary key of the main table and place it in other tables as foreign key. Remember the tables you connect should maintain some relation. Like in below example student table is connected to college table. Never attach any tables which have no relation with each other. It will make our database very complex.



DATABASE COLLEGE

8. Now in this database all three tables are connected to each other. The table Student connected to table department via table College. We can join table student to table department directly with foreign key concept, but its not required. Remember extra or unnecessary operations can increase complexity of database.

HOW TO CONVERT TABLES IN E-R DIAGRAM

1. Just reverse the process
2. First write down table's names in Rectangle boxes as Entity.
3. Then write down the column's name in oval shapes as Attributes.
4. Now connect the attributes to its entity with lines.
5. Now join the entities with diamond box and give this relationship a proper name.

For more details, please visit our video "How to draw E-R Diagram". The link is available in description box of current video.