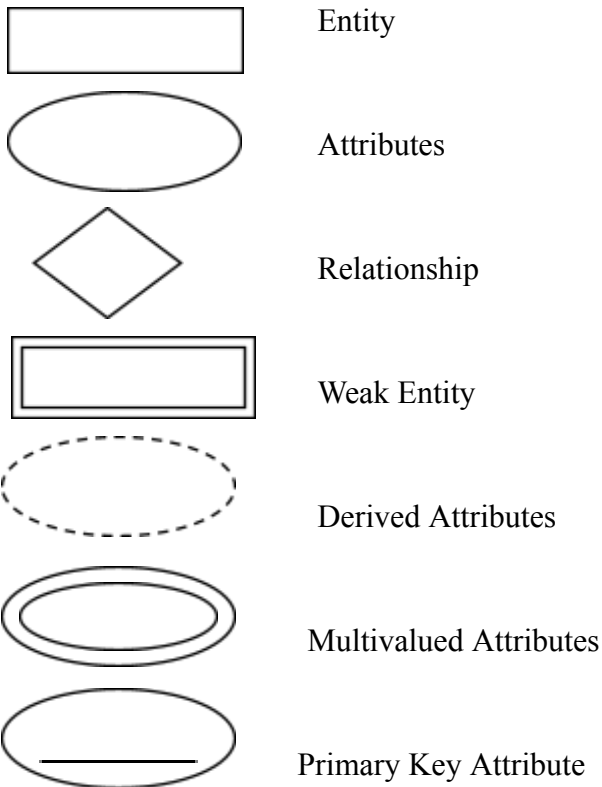


## HOW TO DRAW E-R DIAGRAM

These are the symbols used to create an E-R diagram:



### Steps to draw E-R Diagram

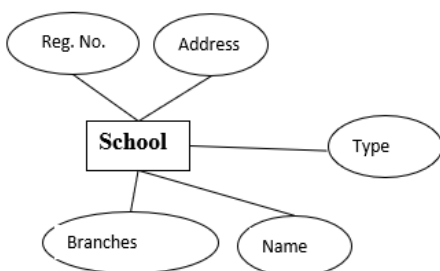
- 1) First choose segment or topic for which you want to make Database like for company management, school management, bank management etc.
- 2) Split the topic in Entities, like if we take school management topic, then our entities will be as per given below:

School, Class, Student, Teacher, Department, Transportation

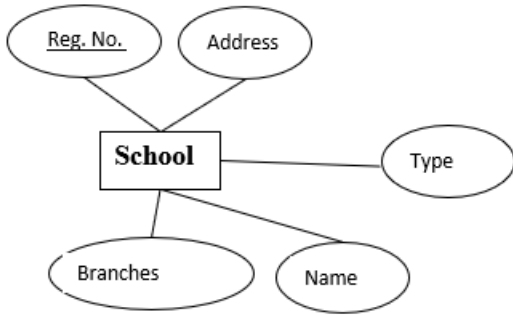
- 3) Find attributes of Entities, like this

Entity	Attribute
School	Name, reg. no., address, branches, type
Class	Number, location, sitting strength, equipment
Student	Name, id, class, address, mobile
Teacher	Name, id, subjects, class, address, mobile

- 4) Now connect the entities with their attributes like this

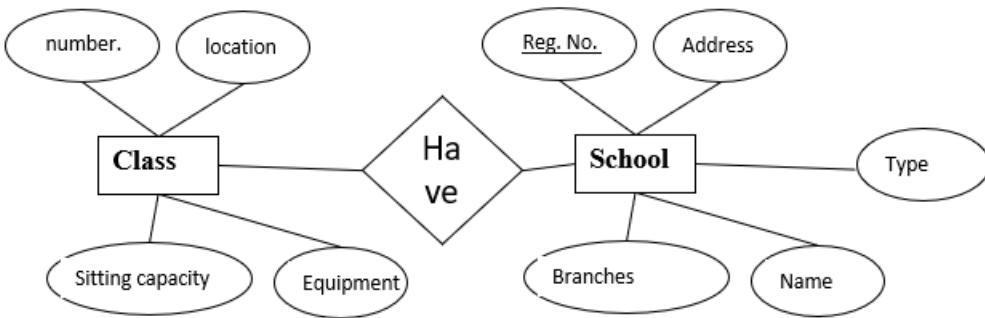


5) Find the key attribute which may become primary key, like Reg. No. of the school.

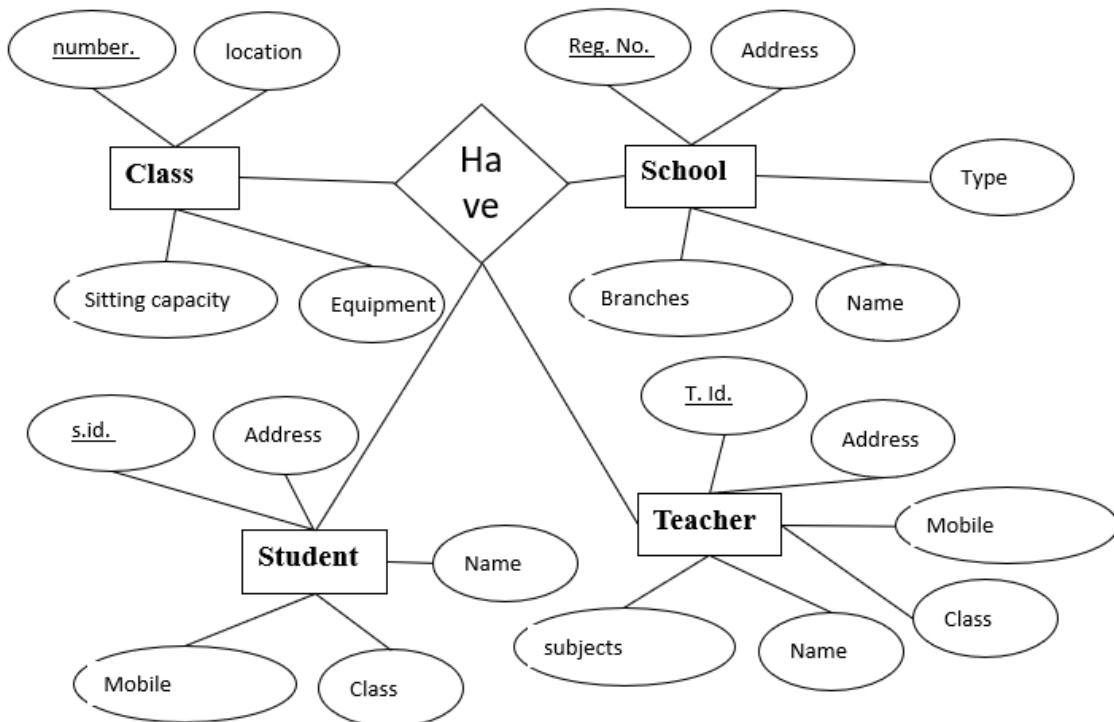


6) In the similar way create all the small bunch for class, students, teacher, department etc.

7) Now join each bunch with the help of relationship set.



8) Join the all bunches with the upper given steps.



Always remember, make the E-R diagram as simple, as possible.

Never use multiple relationship box. Instead of that try to use minimum relationship boxes if the entities share same relation. Like in above given diagram School have class, student, teacher etc. so we use only one relationship box named "Have". If we use three different relationship boxes then

the diagram will be complex. Also, the relationship boxes are used to show relation between tables when these bunches converted into tables.