

ENTITY VS ATTRIBUTE

ENTITY

- An *Entity* is a distinguishable, real-world object that represents data in a table
- A row in a database table represents an *Entity*
- An *Entity* in a database table is defined with a 'fixed' set of attributes
- An *Entity* represents the main objects within an RDBMS (Relational Database Management System)

Roll No.	Name	Course	
CS08	Steive	Comp. Sci.	→ Entity 1
EE54	Jhoson	Electronics	→ Entity 2
B12	Eva	Biology	→ Entity 3
F32	Jhoson	Finance	→ Entity 4
M26	Erica	Maths	→ Entity 5

Student Table

ATTRIBUTE

- An *Attribute* describes the characteristics or properties of an entity in a database table
- A column header of a database table represents an *Attribute*
- *Attributes* describe and characterize an entity
- Each *Attribute* has a certain domain & may be used in forming a Primary Key

Attributes		
Roll No.	Name	Course
CS08	Steive	Comp. Sci.
EE54	Jhoson	Electronics
B12	Eva	Biology
F32	Jhoson	Finance
M26	Erica	Maths

Student Table

EXAMPLE

If we have to define an *entity* called "Student", then we can define it with a set of *attributes* like Roll number, Student name, and Course being taken. The *attribute* values of each "Student" *entity* will define its characteristics in the table! :)