2) Relational Model
Employee works o under on organization
Entitles: 1. Employee 2. Organizations
Relationship: work in
Employee (Emp Id. Int, Emp dept string, Emp Norme,
Empaddress).
Organization (o. Name string, o. Id Integer, o. budget Integer
ER diagram for Employee (Employee) (Employee)
Emp Name Empaddress
ER diagram for Organization.
Organization)
Relation (o.name)
Employee works Organization
(Empro) Confras

Relational Model concepts

Student

1	R-NO	ntime	Address	Phone	Age
	\	Ram	Delhi	123456	18
	2	swesh	Hyd	7890123	20
	3	Roini	Bomboy	3456789	200/9
	4.	Sunitha		NULL	17/
				NOUL !	**

1) Attributes: Attributes are the properties that define a relation.

Ex: Roll No, Name, address, phone Age

- 2) Relation schema: A Relation schema represents name of the relation with its attributes

 21: Student (R.no, Name, address, phone and age)
 is relation schema for student.
 - 3) Tuple: Each yow in the relation is known oy tuple (4)
 - 52 to In student table 4 rows.

- 4) Relation Instances: The set of tuples of a relation at a particular instance of time is called as relation Instance.
 - ever there is insertion, deletion or updating in the database.
 - 5) Degree: The number of attributes in the relation is known as degree of the relation.
 - Et Table Student degree 5.
 - Goodinality: The number of tuples in relation is known as cardinality.
 - 92: Table students cardinality 4.
- 7) <u>column</u>: column represents the set of values for a particular attribute.
 - 32: The column Rino is extracted from relation student.
- 8) NULL values: The value which is not known or unavailable is called NULL value. It is represented by blank space.
 - 52: Phone of student having Rollino 4% NULL