## THE RELATIONAL MODEL

The relational model represents the database as a collection of relations.

In formal relational model terminology,

- . Rove is called a tuple
- · Column header is called an attribute (Ai)
- . Toble is called a relation
- · Date Type describing types of values that can oppear in each wlumn is walled domain-

Similarity b/w mathematical relations and relations in DB

,	Name	Student Number	Class	Major	
	Smith	17	1	c S	Butrel
	Brown	8	2	<u> </u>	model i

lational is more

Smith student\_Number. Brown 717 78 Major

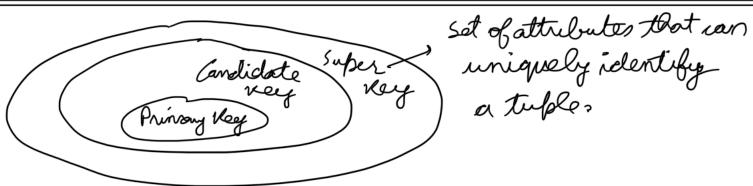
> Here Smith, Brown, CS,

suited for practical perposes

have all been amalgamented to ore.

A relation schema is used to describe a relation,

Degree of a relation = Number of attributes.



Entity Integrity Constraint: No primary key can be NULL. Referential Integrity Constraint. A tuple in one relation that refers to another relation must refer to an existing tuple in that relation.

Functional dependency constraint: A functional relationship among two sets of attributes x and Y.

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