

Relational Databases

The Relational Model

- Used by all major commercial database systems
- Very simple model
- Query with high-level languages: simple yet expressive
- Efficient implementations

Key – attribute whose value is unique in each tuple Or set of attributes whose combined values are unique

-> Student

ID	name	GPA	Photo
123	Any	3.9	(2)
234	1306	3.4	NULL
345	Craig	NULL	
	•		
	•		

College

state	enr
CA	15,000
CA	36,000
MA	(0)000
•	
	CA

Creating relations (tables) in SQL

```
Create Table Student(ID, name, GPA, photo)
Create Table College
  (name string, state char(2), enrollment integer)
```

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