

Example: University DB

- We need to design the database for managing data about **courses** of the computer science degree at the University of Pisa
- The system must manage data about **students** of both the master and bachelor programs. For each program, we need to maintain data related to the students' **exams**.
- We need to record data about the **courses** and the **students' exams** for each course.
- We want to record teachers for each course, who may be more than one. Moreover, a **teacher** may be **internal** or **external**.
- For each teacher, we have one or more **phone numbers**.
- We need to record each student's supervisor (a **teacher**). Bachelor students may ask for a supervisor only when they are attending 3rd year.
- Lastly, master students help (tutor) bachelor ones. The system must maintain information about such tutoring activities.

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