

Databases 2

Introducing

Description

The aim of this course is to study relational databases. The fundamental concepts of the relational model are studied. The focus is then on relational algebra and the SQL language for manipulating and querying databases.

Objectives

At the end of this module, students should be able to understand and explain the main concepts.

- The relational model
- Data integrity constraints
- Languages for manipulating and querying relational databases, in particular relational algebra and the SQL language.

In practice, students should be able to :

- Implement a designed database while guaranteeing integrity constraints
 - write queries in relational algebra, then implement them in SQL for manipulating and querying relational databases
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Évaluation

L'évaluation des acquis d'apprentissage est réalisée en continu tout le long du semestre. En fonction des enseignements, elle peut prendre différentes formes : examen écrit, oral, compte-rendu, rapport écrit, évaluation par les pairs...

Practical info

Location(s)

 Toulouse