

# Summary

## Chapter 9 – Triggers

- Integrity constraints
- Enforcing IC with different techniques
  - Keys
  - Foreign keys
  - Attribute-based constraints
  - Schema-based constraints
  - Triggers
    - Event, Condition, Actions
    - Execution
    - Triggers evaluation procedure (what is going to happen?)
- Important: given a constraint, know how to deal with it.

## Chapter 11 – Physical Data Organization

- File storage structure
  - Heap file
  - Sorted file
- Performance evaluation
- Index (different types, we studied clustered and single level)
- Performance in the presence of index

## Chapter 10 – SQL in the real world

- See you in the project!
- Host language, embedded SQL, connection, dynamic SQL ...

## Chapter 13 – Basics of Query Processing

- External sorting
- Computing projection, union, set difference
- Computing selection, joins

## Chapter 16 - ODB

- Objects and Values
- Types and Domains
- Object relational model
- Object query language

## Chapter 17 – XML and Databases

- XML documents
- Components of XML documents
- XML elements, attributes
- XML elements and objects
- Well-formed XML documents
- DTD – valid XML documents
- XML schema, type definition
- XML documents and trees
- XPATH – basics