Relational databases; cours 1

12/09/2018

*Diapo : Introduction to DBMSs*

### 1/ Definitions

**relation schema**

* remains over time

**relation instance**

* changes quickly

**SQL**

* complexe languages with many subsets (eg : DML which contains only 4 statements Select, insert, update, delete )

2/ Types

**Date** *‘yyyy-mm-dd’* don’t forget to prefixe your date types with your date format. Same for **time**. :), for general support

**Bool :** 3 different values (and not 2 like usual)

### 3/ Constraints

**Constraints** : primary keys, foreign-keys. They are not required by the DBMS but useful to the programmer

* Foreign key violation constraints:

- delete the parent info

- update the child or parent

- insert in child only

* Precising the keys allow mysql to check for you the violation