SQL – Structured Query Language - Baze de date

DDL vs DML

DDL Data Definition Language

CREATE TABLE table\_name (

Column\_name1 data\_type(size);

… )

DML Data Manipulation Language

Insert, update, delete

DATA Query (SELECT)

Projection, selection, join

Constraints

* Se pun reguli pe coloane pt integritate
* NOT NULL, UNIQUE, PRIMARY KEY ,FOREIGN KEY, CHECK

Alter table EMPLOYEES add CONSTRAINT\_UNIQUE (first\_name, last\_name);

Data Filtering and Ordering

SELECT column\_name1,

FROM …

WHERE….

Like – regex, cauti dupa un pattern

IN – cauti intr-un set de valori

ORDER BY – ordonare

JOIN

SELECT \*

FROM table1 t1

[CROSS/INNER/LEFT/RIGHT/FULL OUTER] JOIN table2 t2 [ON t1.column2 = t2.column3]

Inner Join

Functii

-returneaza o singura valoare

LiquidBase

* Versionare pt baze de date, un fel de git