Torpedo

Álgebra Relacional

- **Sintaxis general:**

$$\pi_{a_1,a_2,...,a_n} \left(\sigma_{\text{condition1}[\wedge \,|\, \vee \text{ condition2}] \ [<,\leq,>,\geq,=,\neq]} \left(R \bowtie_{\text{condition}} S \right) \right)$$

$$[\times, \cup, \cap, -]$$

$$\pi_{b_1,b_2,...,b_n} \left(\sigma_{\text{condition}} (\rho((a_1 \to b_1, a_2 \to b_2, \ldots, a_n \to b_n), T))) \right)$$

SQL

- **Sintaxis general para la creación de una tabla:**

CREATE TABLE <Nombre> (<atr1> <tipo> PRIMARY KEY, <atr2> <tipo>
DEFAULT <valor> NOT NULL UNIQUE, <atr3> <tipo>, FOREIGN KEY
(<atr3>) REFERENCES <NombreA>(<atrA>), ...);

- **Sintaxis general para realizar una consulta:**

```
SELECT [ALL | DISTINCT] * | [COUNT, MAX, MIN, SUM, AVG] col1, col2, ...
       [AS alias_column]
FROM table1
     [JOIN table2 ON table1.common_field = table2.common_field]
WHERE attribute [condition1 AND | OR condition2]
      [BETWEEN value1 AND value2]
      [IN (value1, value2, ...)]
      [LIKE pattern]
      [= | <> | <= | >= | < | >]
GROUP BY column1, column2, ...
HAVING aggregate_condition [COUNT, MAX, MIN, SUM, AVG]
ORDER BY column1 [ASC | DESC], column2
UNION | INTERSECT | EXCEPT
[SELECT column1 FROM another_table]
LIMIT rowCount;
```