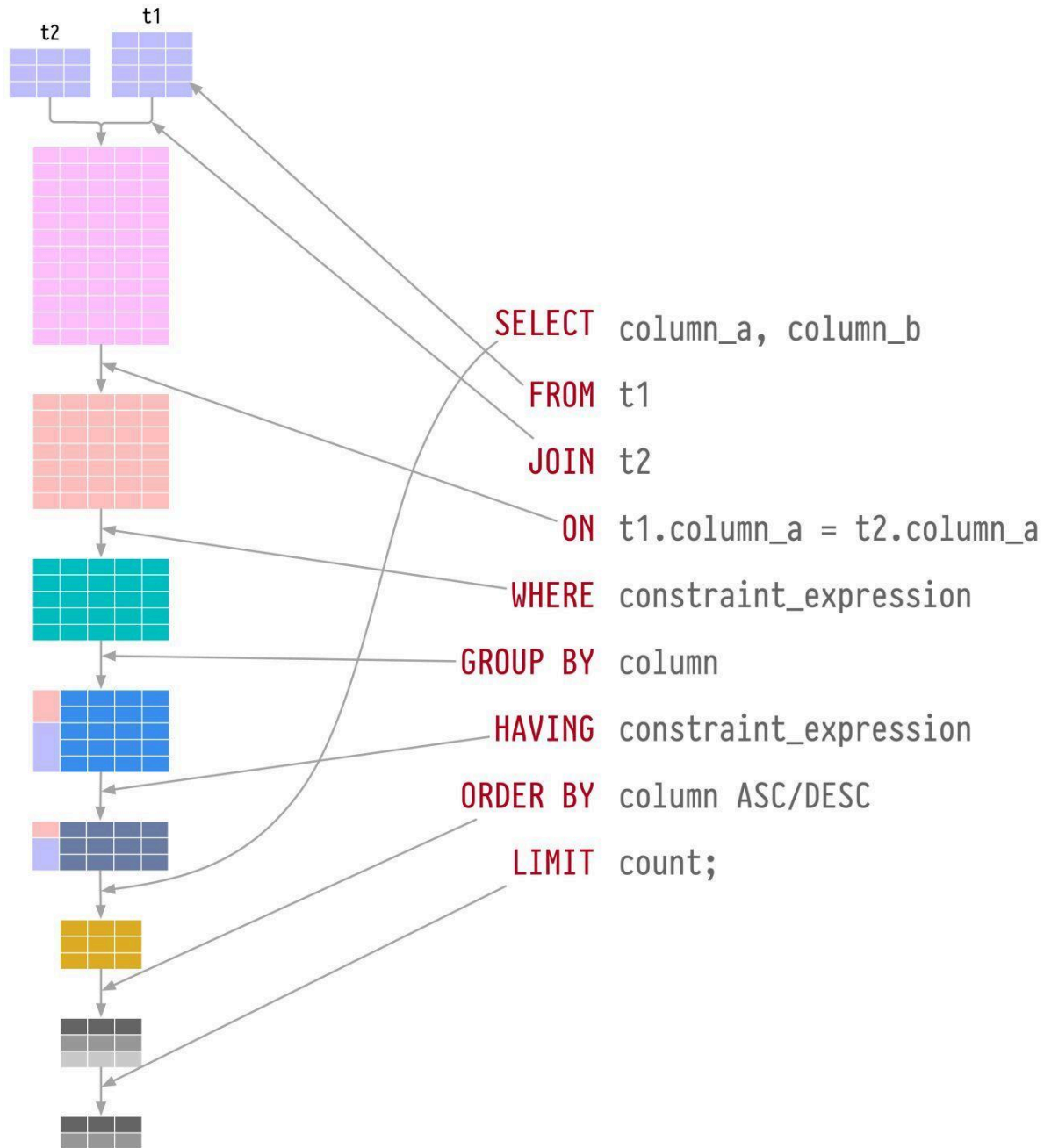


Visualizing a SQL query

SQL Query Execution Order



SQL statements are executed by the database system in several steps, including:

- Parsing the SQL statement and checking its validity
- Transforming the SQL into an internal representation, such as relational algebra

- Optimizing the internal representation and creating an execution plan that utilizes index information
- Executing the plan and returning the results

The execution of SQL is highly complex and involves many considerations, such as:

- The use of indexes and caches
- The order of table joins
- Concurrency control
- Transaction management

Over to you: what is your favorite SQL statement?