Presentation #4

SQL MATERIALS

Github Organization

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Agenda

Lesson Overview: A brief introduction to SQL, its purpose, and applications.

Key Concepts: Cover basic SQL concepts like databases, tables, queries, and CRUD operations (Create, Read, Update, Delete).

Practical Exercises:

Exercise 1: Basic queries (SELECT statements)
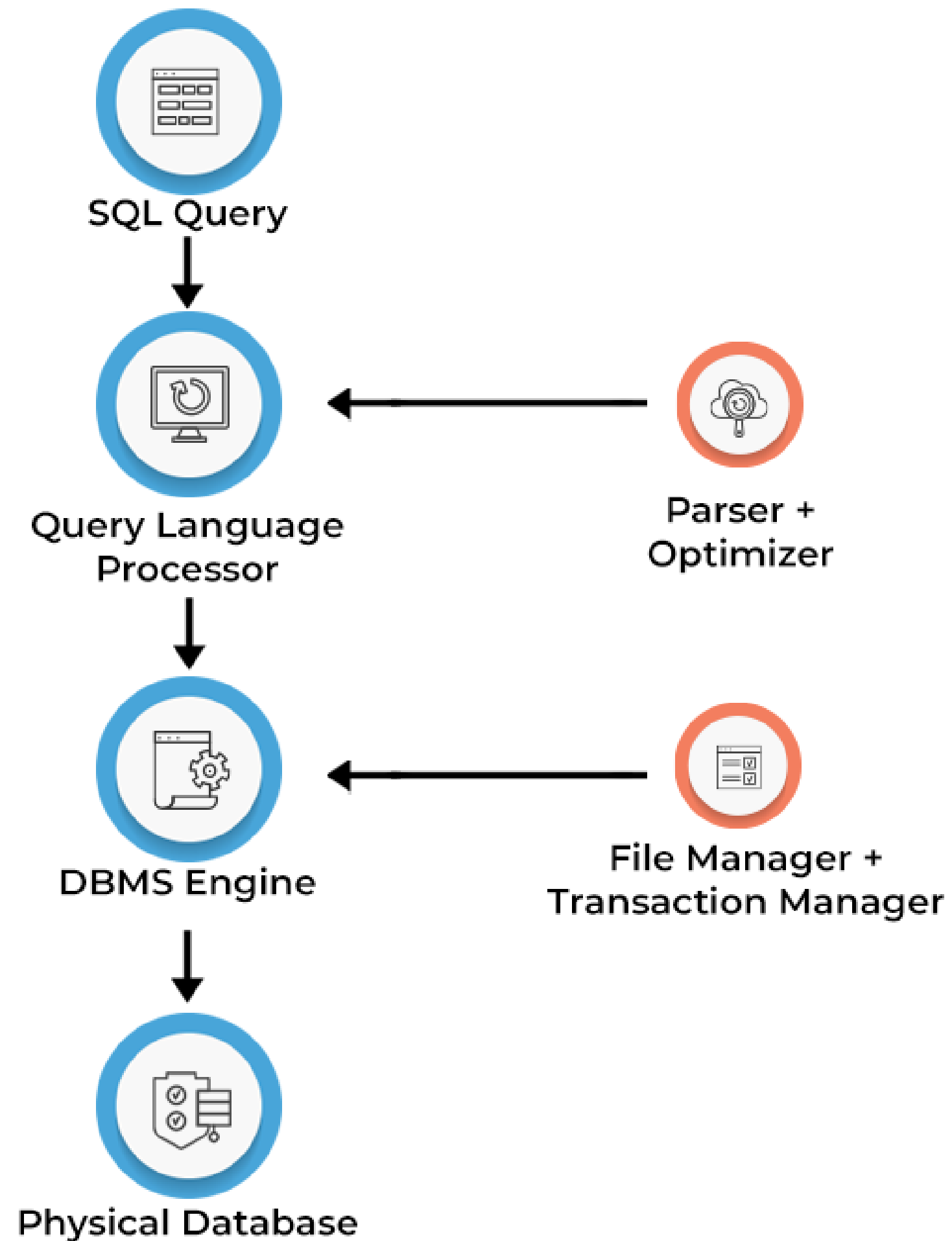Exercise 2: Filtering data (WHERE clause)
Exercise 3: Aggregation and grouping (COUNT, SUM, GROUP BY)
Exercise 4: Joining tables (INNER JOIN)
Supplementary Materials: A list of resources for further learning.

HOW DOES SQL WORK?

SQL Query

Query Language Processor

Parser + Optimizer

DBMS Engine

File Manager + Transaction Manager

Physical Database

Practical Work