Whiteboard Notes

Materials
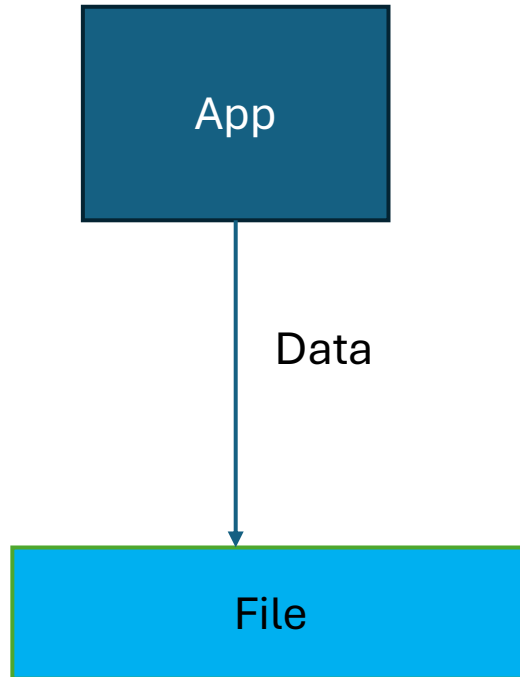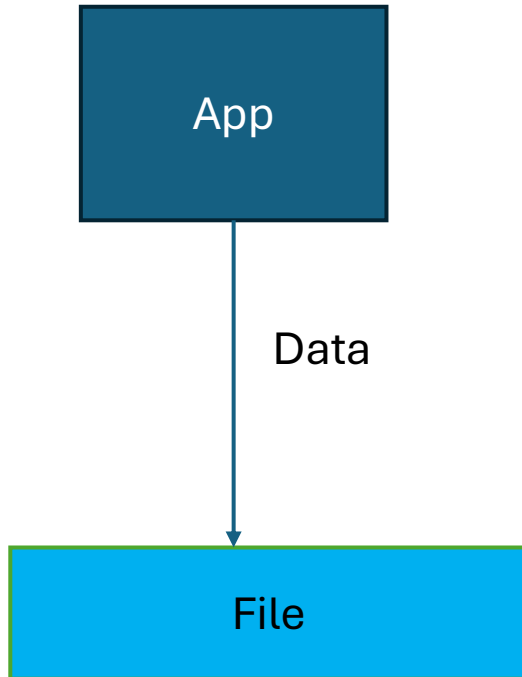
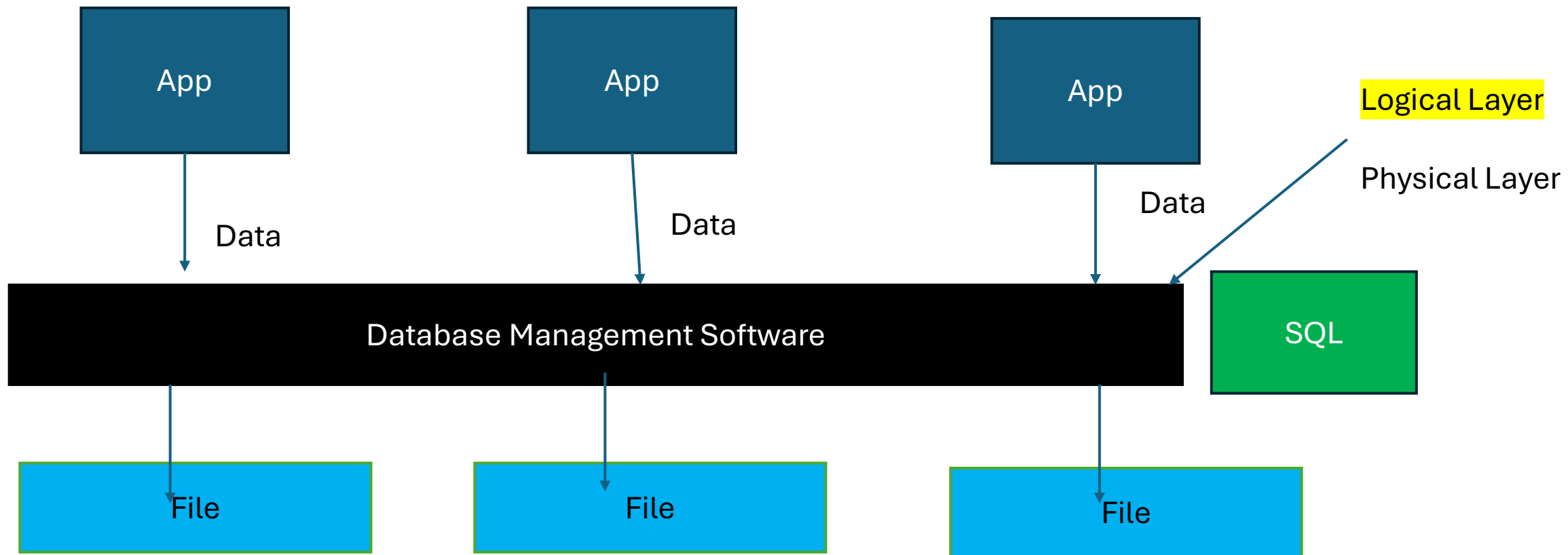- https://github.com/nagabhushan1/eb

- https://codeshare.io/amLyeW

Data

- Data is the most important part of the application.
- Database is the common denominator for any application – No matter which language that was built with
- What is centric to any application is data.
- All data needs to be stored - from day 1
- Developer needs to honor 2 principles
  - Data Independence – Data needs to be independent of the application which created it
  - Data Persistence – Data should outlive the process / application which generated it

Good old days

App

App

App

Logical Layer

Physical Layer

Data

Data

Data

Database Management Software

SQL

File

File

File
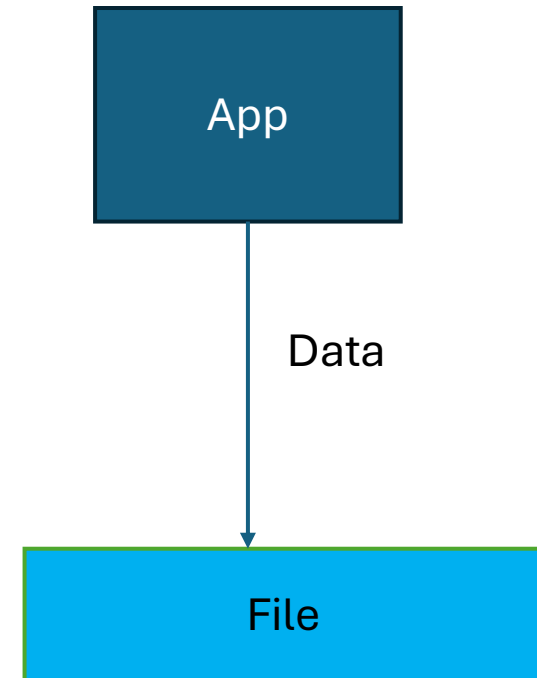
Oracle / MySQL / DB2 / Postgres / MSSQL / SQL Lite / Cloud SQL / RDS

3 main components in a Relational Data Model

- Collection of database objects (Tables, Views, Index, Procedures)
- Set of operators
- Set of integrity rules

Data Engineering World (Traditional)