

I understood that Database Systems Provides efficient, reliable, convenient, and safe multi-user storage of and access to massive amounts of persistent data.

I've also understood that a Database (DB) is a collection of data And that a DB is managed by the Database Management System (DBMS) in other word software component that interacts with the DB and the user application programs that use the data stored in the DB.

I also learnt the difference between Safe data and Persistent data. Safe data means that the data will survive a hardware failure, software failure, power outage or etc ... while Persistent data is a data that outlives programs that operate on it.

It was interesting how the application and usage of spatial data has changed over the years. Traditionally spatial data was used in Mapmaking, Cartography and Digital photogrammetry but more recently spatial data is used in all sort of things such as ,emergency response planning ,simulating environmental effects ,urban development ,public transportation monitoring ,wayfinding and planning (route planning, etc.) ,location-based services (LBS) and crime tracking.