Assignment 1: Give a definition for the following terms and differentiate between them: data warehouse, distributed databases, and federated databases. How are data marts related to them?

Assignment 2: Explain conceptual differences between transactional databases (OLTP) and data warehouses (OLAP). Why are two different systems used?

Assignment 3: Classify the concept of data warehouse in the context of big data!

Assignment 4: What are typical benchmarks for databases? Which statements can be made using these benchmarks?

Assignment 5: State and explain the different requirements of a Data Warehouse. What aspects have all different requirements in common?