Lec1

1. Course Overview

An information system is a system composed of people and computer hardware.

1. Two kinds of information system
2. An operational information – store data generated by dat-to-day operations of an organization (like bank, and library). It is mainly used to support the daily operatipn of an organization.
3. An analytical information system – store historical and present data for discovering and detecting trends, patterns, relationships and etc.

We will mainly talk about analytical information

1. OLTP – online transactional processing system
2. The database in an operational information system
3. Stores structured data
4. Involves querying, inserting, deleting, and updating small amounts of data
5. Provide real-time accesses
6. Relational databases are the main stream of the database
7. SQL🡪
8. Analytical Information Systems
9. Store historical and present data for data analysis
10. The data can be structured, semi-structured, and unstructured.
11. Data analysis is the process of examing data to find facts, relationships, patterns, insights and/or trends.
12. The overal goals of data