

Module 1: Foundations of Database Systems

Objective:

The basic fundamental knowledge units of database field are summarized in this module to refresh and reinforce basic understandings of database systems. For additional details, please refer back to the prerequisite database course materials and to the web.

Topics:

- overview of database systems
- query languages (relational algebra, SQL)
- sample queries
- views, indexes, stored procedures
- normalization, database design
- constraints, triggers

Task:

For each topic, first read the associated pdf file and then watch the related video. Subsequently, make sure that you understood the key points outlined in the pdf file.

Assessment:

A sound preparation on this module will enable you to score high in quiz, exams and excel in job interviews.