4 Lecture - CS403

Important Mcqs

1. **What is the internal or physical view/schema of a database?**
   a) The way data is logically organized within a database
   b) The way data is physically stored on the storage media
   c) The way data is presented to end-users
   Answer: b) The way data is physically stored on the storage media

   Which of the following describes the internal view of a database?
   a) A high-level view of the data and its relationships
   b) A low-level view of the data storage and access methods
   c) A view of the data as it is presented to end-users
   Answer: b) A low-level view of the data storage and access methods

   Which of the following is not a component of the internal view/schema of a database?
   a) Storage format
   b) Data structures
   c) Indexing methods
   d) User interface design
   Answer: d) User interface design

   The internal view/schema of a database is important for:
   a) End-users
   b) Database administrators
   c) Both end-users and database administrators
   Answer: b) Database administrators

   Which of the following is an example of a storage format used in the internal view of a database?
   a) XML
   b) SQL
   c) Binary
   Answer: c) Binary

   Which of the following is an example of a data structure used in the internal view of a database?
   a) Linked list
   b) Array
   c) Stack
   Answer: a) Linked list

   Which of the following is an example of an indexing method used in the internal view of a database?
   a) Binary search
   b) Bubble sort

c) Quick sort
Answer: a) Binary search

The internal view/schema of a database is also known as:
a) The conceptual view
b) The physical view
c) The external view
Answer: b) The physical view

Which of the following best describes the relationship between the internal view and the external view of a database?
a) The internal view is a high-level view of the data, while the external view is a low-level view of the data storage and access methods.
b) The internal view is a low-level view of the data storage and access methods, while the external view is a high-level view of the data.
c) The internal view and the external view are the same thing.
Answer: b) The internal view is a low-level view of the data storage and access methods, while the external view is a high-level view of the data.

Which of the following is not a reason why the internal view/schema of a database is important?
a) To optimize database performance
b) To ensure efficient data retrieval
c) To present data to end-users
Answer: c) To present data to end-users