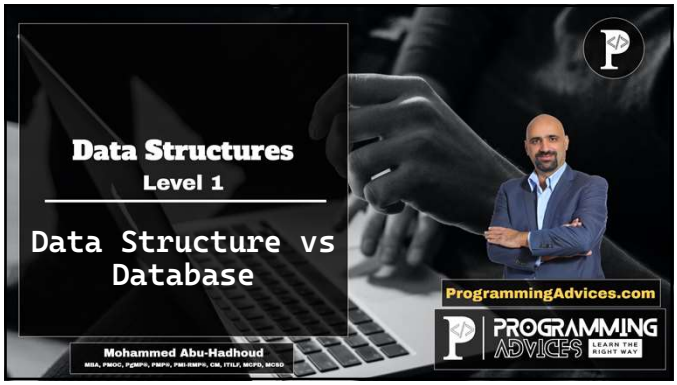

Data Structure vs Database?

Data Structure : In computer Programming, Data structure is a way of organizing and storing data so as to ease the accessing and modification of data.

Some commonly used data structures are Array, Linked List, Stack, Queue, Heap, Binary Tree and Graph.

Database: is a collection of data that is stored in an organized fashion in a table containing rows and columns using a software package known as Database Management System (DBMS).

DBMS is used to modify, define, manipulate and manage data. Some examples of DBMS are : MySQL, Oracle Database and Microsoft Access.

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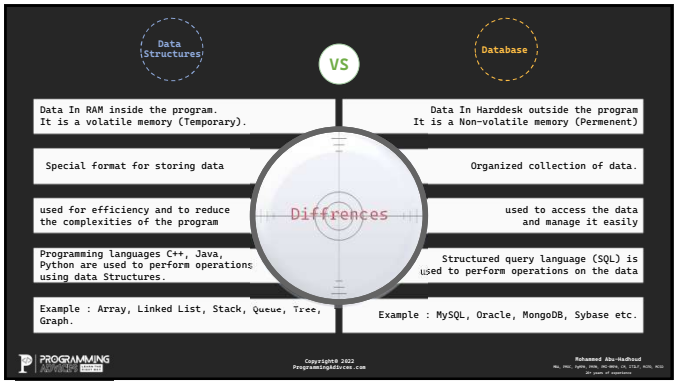
Data Structures
VS
Database
Data In RAM inside the program.
It is a volatile memory (Temporary).
Data In Harddesk outside the program
It is a Non-volatile memory (Permenent)
Special format for storing data
Organized collection of data.
used for efficiency and to reduce
the complexities of the program
Diffrences
used to access the data
and manage it easily
Programming languages C++, Java,
Python are used to perform operations
using data Structures.
Structured query language (SQL) is
used to perform operations on the data
Example : Array, Linked List, Stack, Queue, Tree,
Graph.
Example : MySQL, Oracle, MongoDB, Sybase etc.
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