Day 12 – 27/06/2025

Q1. What do you understand about data structures?  
Ans. Data structures are ways to organize and store data in a computer so that it can be efficiently accessed, modified, and manipulated. They provide a way to manage large amounts of data, enabling efficient data retrieval, insertion, deletion, and manipulation.

Q2. What are the types of data structures you know?  
Ans.

1. Arrays
2. Linked lists
3. Stacks
4. Queues
5. Hash maps
6. Trees
7. Graphs

Q3. What all operations can we do in Data structures?  
Ans.

1. Insertion
2. Deletion
3. Traversal
4. Search
5. Update
6. Sorting
7. Merging

Q4. What are static and dynamic arrays? Explain or summarize key points in a table.  
Ans.

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