**Data Structure & Algorithms:**

The Data Structure and Algorithms are two different things:

|  |  |  |
| --- | --- | --- |
| **Sno** | **Data Structure** | **Algorithms** |
| 1 | Arrangement of data in a main memory for efficient usage. | Sequence of steps on data using efficient data structure to solve a given problems. |
| 2 | Example :- Array, LinkedList, Stack, Queue, BST, etc. | Example :- Sorting an array.  e.g {1, 7, 2, 9}  => {1, 2, 7, 9} |

**Other Terminologies:**

**1. Database:** Collection of information/data in permanent storage for

faster retrieval and updation.

**2. Data Warehousing:** Management at huge amount of legacy data for

better analysis.

**3. Big Data:** Analysis of too large OR complex data which cannot be

deals with traditional data processing applications.