

Linked List

A **Linked List** is a linear data structure where elements are stored in nodes, and each node points to the next node in the structure. Unlike array, linked lists do not require contiguous memory locations, making them more flexible in terms of memory allocation.

Types of Linked Lists

1. Singly Linked List

Each node has two components:

- **Data:** The value stored in the node.
- **Next:** A pointer to the next node in the sequence.

Example:

```
Head -> [Data | Next] -> [Data | Next] -> NULL
```
