Types of Linked List - Singly linked, doubly linked and circular

There are three common types of Linked List.

* Singly Linked List
* Doubly Linked List
* Circular Linked List

Singly Linked List

It is the most common. Each node has data and a pointer to the next node.

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| singly linked list |
| Singly linked list |

Doubly Linked List

We add a pointer to the previous node in a doubly-linked list. Thus, we can go in either direction: forward or backward.

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| doubly linked list |
| Doubly linked list |

Circular Linked List

A circular linked list is a variation of a linked list in which the last element is linked to the first element. This forms a circular loop.

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| circular linked list |
| Circular linked list |

A circular linked list can be either singly linked or doubly linked.

* for singly linked list, next pointer of last item points to the first item
* In the doubly linked list, prev pointer of the first item points to the last item as well.