Doubly Linked List

Objective

The objective of this lab is to understand List using doubly Linked list implementation.

Task/Procedure

• The implementation of Doubly Linked List uses a pair of classes. One describes the node and second represents the collection of nodes as a list structure. Use constructor as needed.

```
Public class DLinkedList<T extends
class Node
                Comparable<T>>{
<T>{
T data;
Node prev;
                Node head;
Node next;
                DLinkedList() {
                Head = null;
 Node (T d) {
    data=d;
 prev=null;
                //implement the following Methods
 next=null;
 }
}
                public void InsertInOrder(T value) { ... }
                public Node Find(T value) { ... }
                public void Delete(T value) { ... }
                public String toString() { ... }
                public void clearList() { ... }
                public boolean isEmpty() { ... }
                public int Length() { ... }
                public void Reverselist() { ... }
```

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Data Structures (3+1)