Design 7

Node

▼ Attributes ➕ ➖
+*next(Node)
+data(int)

▼ Operations ➕ ➖
-Node(int x)
-dataGetter(int)
-dataSetter(void)
-nextGetter()
-nextSetter(void)
-deconstructor()

LinkedList

▼ Attributes ➕ ➖
+*head(Node)

▼ Operations ➕ ➖
-LinkedList()
-LinkedList(int,int)
-addFront(void)
-addEnd(void)
-addAtPosition(void)
-search(int)
-deleteFront(void)
-deleteEnd(void)
-deletePostion(void)
-getItem(int)
-printItem(void)
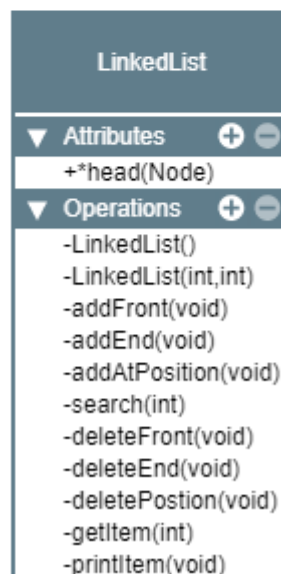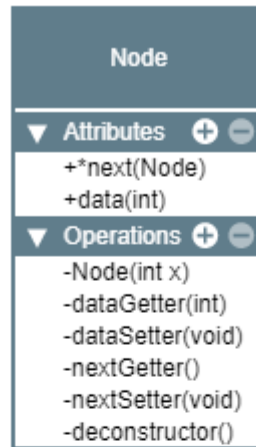
Node class :

-there are one constructor Node, means to make new Node,

-dataGetter means to return data in the linkedLIst

-dataSetter means to set data in linkedList

-nextGetter means to return the next pointer

-nextSetter means to set a new next pointer

-deconstructor means to delete the pointer

LinkedList class:

First constructor means to create empty list

Second constructor means to take array from linkedLst

-addFront means to add a new value and new node at front of list

-addEned means to add a new value and new node at end of list

-addAtPosition means to add a new value and new node at given position

-search means to search item from list

-deletefront means to delete a value and new node at front of list

-deleteEnd means to delete a value and new node at end of list

-deletePosition means to delete a value and node at given position

-getItem means to return a value at given position

-printItem means to print list

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