

## CS.CS284.Assignments::IDLList

-private head: Node<E>  
 -private tail: Node<E>  
 -private size: int  
 -private indices: ArrayList<Node<E>

+IDLList(): ctor  
 +public add(int index, E elem): boolean  
 +public add(E elem): boolean  
 +public append(E elem): boolean  
 +public get(int index): E  
 +public getHead(): E  
 +public getLast(): E  
 +public size(): int  
 +public remove(): E  
 +public removeLast(): E  
 +public removeAt(int index): E  
 +public remove(E elem): boolean  
 +public toString(): String



Inner Class

## CS.CS284.Assignments::IDLList::Node

-private data: E  
 -private next: Node<E>  
 -private prev: Node<E>

+Node(E elem): ctor  
 +Node(E elem, Node<E> prev, Node<E> next): ctor