

File - DoublyLinkedList

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1 C:\Users\jai\rj\ClionProjects\DataStructures\cmake-build-debug\DoublyLinkedList.exe
2 Doubly Linked List
3 adding nodes 0 till 9
4 List Preview=====
5
6 null<-[Head: 0 ]<=>[ 1 ]<=>[ 2 ]<=>[ 3 ]<=>[ 4 ]<=>[ 5 ]<=>[ 6 ]<=>[ 7 ]<=>[ 8 ]<=>[ 9 :Tail]->null
7 null<-[Tail: 9 ]<=>[ 8 ]<=>[ 7 ]<=>[ 6 ]<=>[ 5 ]<=>[ 4 ]<=>[ 3 ]<=>[ 2 ]<=>[ 1 ]<=>[ 0 :Head]->null
8
9 delete nodes at i = 0, at i=3
10 List Preview=====
11
12 null<-[Head: 1 ]<=>[ 2 ]<=>[ 3 ]<=>[ 4 ]<=>[ 5 ]<=>[ 6 ]<=>[ 7 ]<=>[ 8 ]<=>[ 9 :Tail]->null
13 null<-[Tail: 9 ]<=>[ 8 ]<=>[ 7 ]<=>[ 6 ]<=>[ 5 ]<=>[ 4 ]<=>[ 3 ]<=>[ 2 ]<=>[ 1 :Head]->null
14
15 List Preview=====
16
17 null<-[Head: 1 ]<=>[ 2 ]<=>[ 3 ]<=>[ 5 ]<=>[ 6 ]<=>[ 7 ]<=>[ 8 ]<=>[ 9 :Tail]->null
18 null<-[Tail: 9 ]<=>[ 8 ]<=>[ 7 ]<=>[ 6 ]<=>[ 5 ]<=>[ 3 ]<=>[ 2 ]<=>[ 1 :Head]->null
19
20 add node 34, before i = 4
21 List Preview=====
22
23 null<-[Head: 1 ]<=>[ 2 ]<=>[ 3 ]<=>[ 5 ]<=>[ 34 ]<=>[ 6 ]<=>[ 7 ]<=>[ 8 ]<=>[ 9 :Tail]->null
24 null<-[Tail: 9 ]<=>[ 8 ]<=>[ 7 ]<=>[ 6 ]<=>[ 34 ]<=>[ 5 ]<=>[ 3 ]<=>[ 2 ]<=>[ 1 :Head]->null
25
26 swap nodes i=3 and tail, node i=6 and head, node i=2 and i=5
27 List Preview=====
28
29 null<-[Head: 1 ]<=>[ 2 ]<=>[ 3 ]<=>[ 9 ]<=>[ 34 ]<=>[ 6 ]<=>[ 7 ]<=>[ 8 ]<=>[ 5 :Tail]->null
30 null<-[Tail: 5 ]<=>[ 8 ]<=>[ 7 ]<=>[ 6 ]<=>[ 34 ]<=>[ 9 ]<=>[ 3 ]<=>[ 2 ]<=>[ 1 :Head]->null
31
32 List Preview=====
33
34 null<-[Head: 7 ]<=>[ 2 ]<=>[ 3 ]<=>[ 9 ]<=>[ 34 ]<=>[ 6 ]<=>[ 1 ]<=>[ 8 ]<=>[ 5 :Tail]->null
35 null<-[Tail: 5 ]<=>[ 8 ]<=>[ 1 ]<=>[ 6 ]<=>[ 34 ]<=>[ 9 ]<=>[ 3 ]<=>[ 2 ]<=>[ 7 :Head]->null
36
37 List Preview=====
38
39 null<-[Head: 7 ]<=>[ 2 ]<=>[ 6 ]<=>[ 9 ]<=>[ 34 ]<=>[ 3 ]<=>[ 1 ]<=>[ 8 ]<=>[ 5 :Tail]->null
40 null<-[Tail: 5 ]<=>[ 8 ]<=>[ 1 ]<=>[ 3 ]<=>[ 34 ]<=>[ 9 ]<=>[ 6 ]<=>[ 2 ]<=>[ 7 :Head]->null
41
42 0<-E<=>N<=>D->0
43
44 Process finished with exit code 0
45
```