

DSA through C++

Assignment-2 and 4

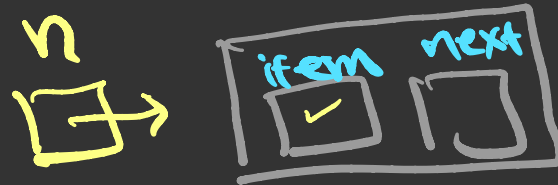
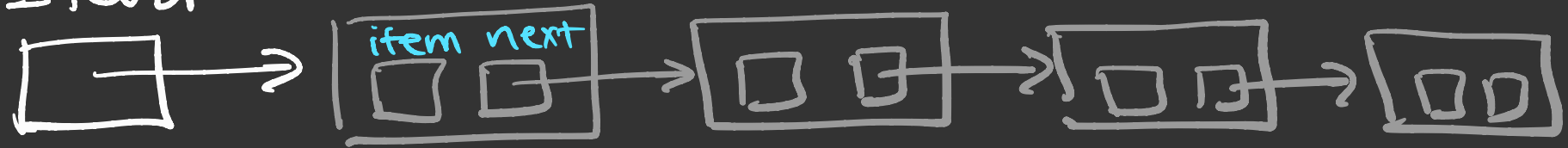
Doubt Class



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Insert At Start

start



$n \rightarrow \text{item} = \text{data};$

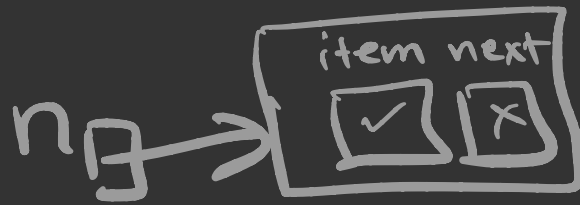
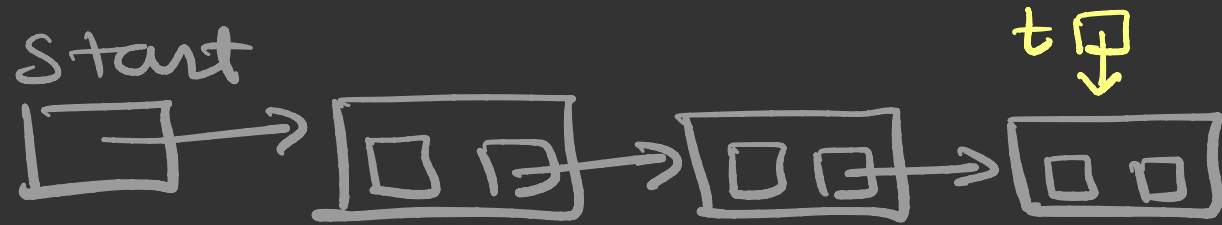
$n \rightarrow \text{next} = \text{start};$

$\text{start} = n;$

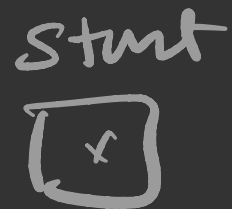
start

NULL

Insert At Last

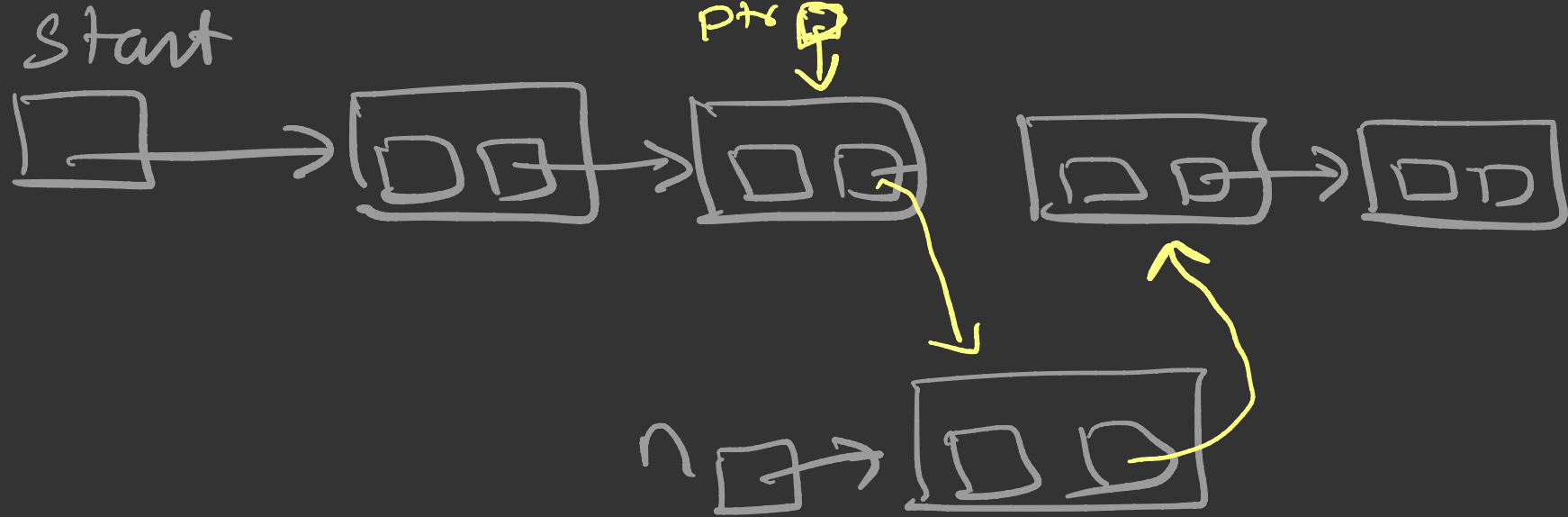


while ($t \rightarrow \text{next} \neq \text{NULL}$)
 $t = t \rightarrow \text{next};$



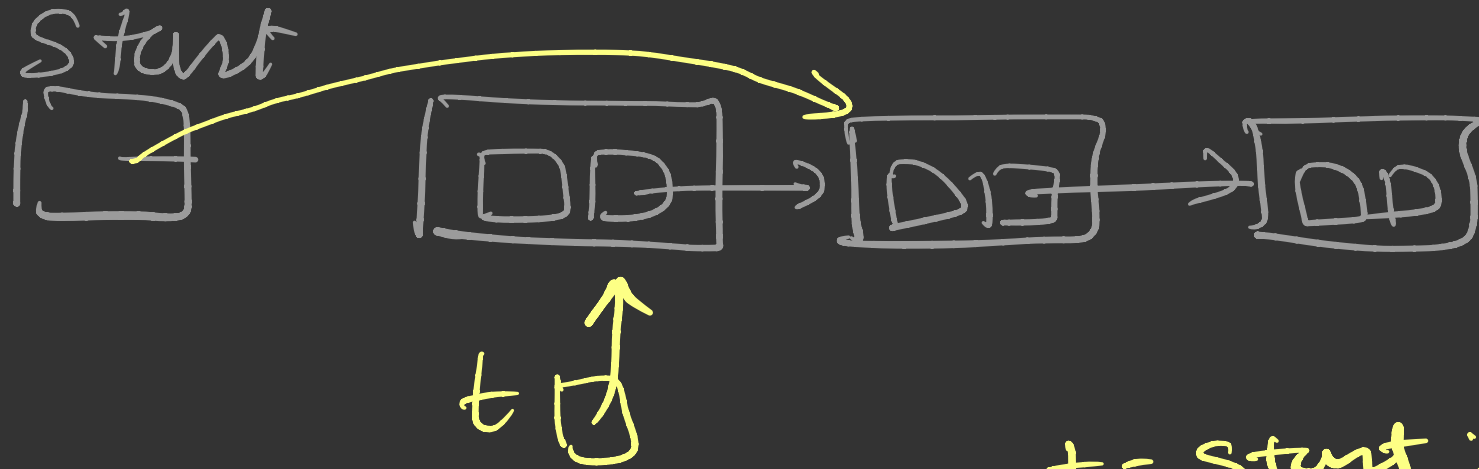
$t \rightarrow \text{next} = n;$

insertAfter()



`insertAfter(search(35), 45);`

delete first

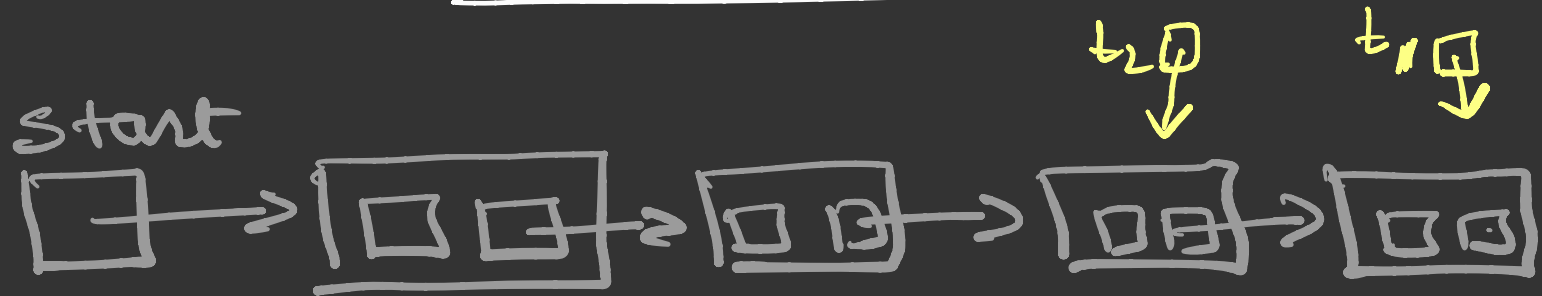


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t = start;  
start = start → next;  
delete t;
```

Ass. 4

Q. 8

Delete last node



$t \rightarrow \text{next} \rightarrow \text{next} == \text{NULL}$

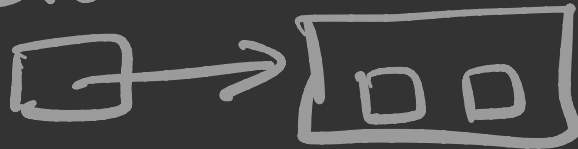
delete $t \rightarrow \text{next}$;

$t \rightarrow \text{next} = \text{NULL}$

delete t_1 ;

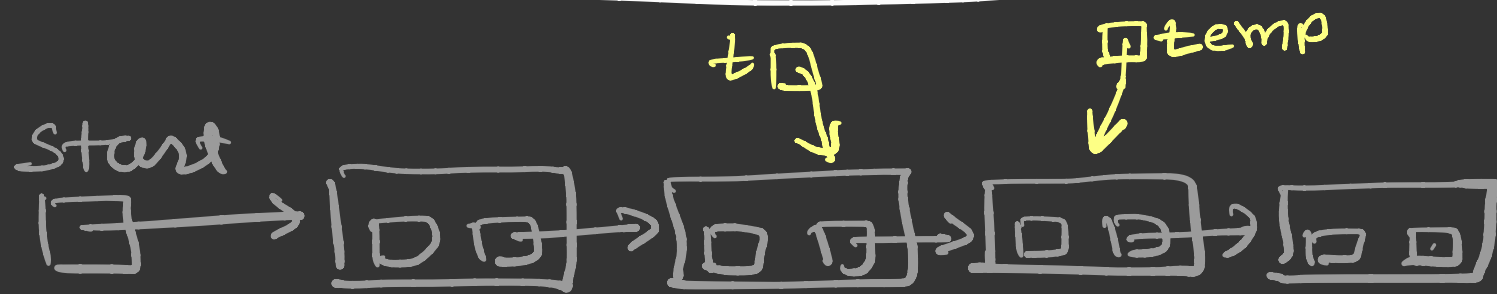
$t_2 \rightarrow \text{next} = \text{NULL}$;

start



Ass-4
Q.9

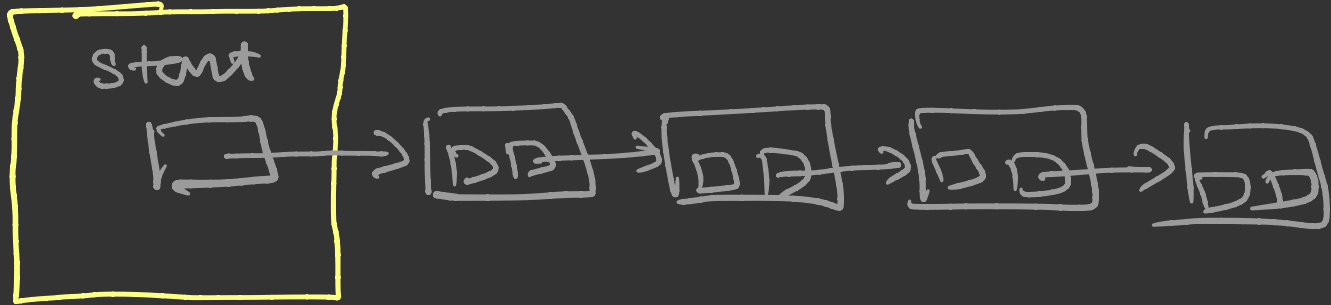
Delete specific Node

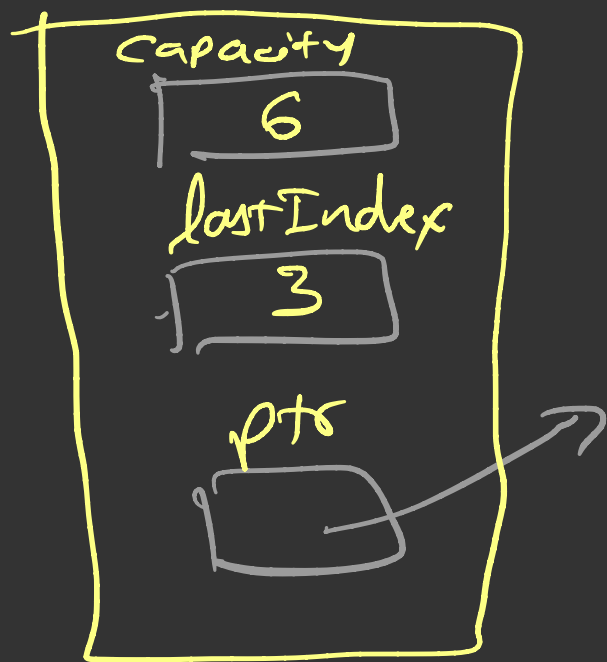


$t \rightarrow \text{next} = \text{temp} \rightarrow \text{next};$
delete temp;

Apr - 4
@. 10

Destructiv





0	1	2	3	4	5
20	40	30	60		

i			j							
0	1	2	3	4	5	6	7	8	9	10
10	20	13	10	20	13	40	16	13	10	

10	10	10	10	13	13	13	16	20	20	40
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