

FINAL REVIEW



Problem Solving with Computers-I

C++

```
#include <iostream>
using namespace std;

int main(){
    cout<<"Hola Facebook!";
    return 0;
}
```

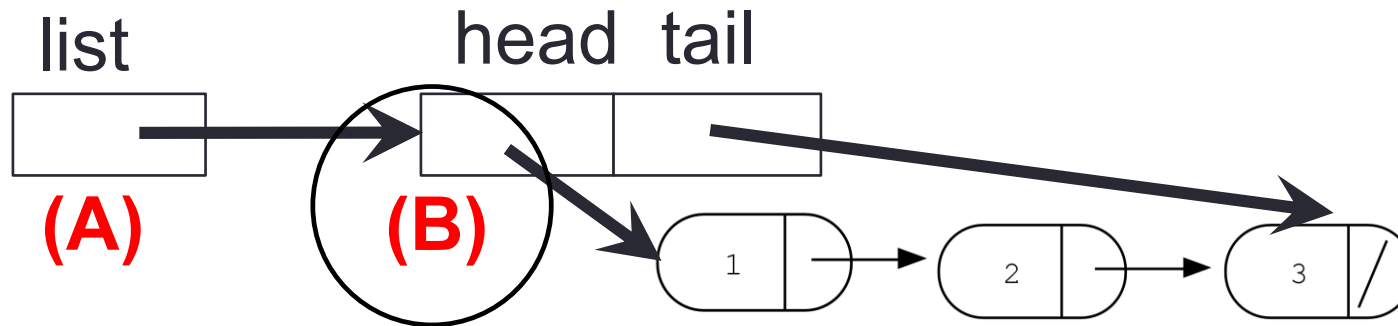
GitHub



Deleting the list

```
int freeLinkedList(LinkedList * list){...}
```

Which data objects are deleted by the statement: **delete list;**



(C) All nodes of the linked list

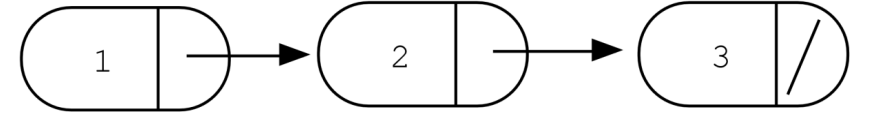
(D) B and C

(E) All of the above

Does this result in a memory leak?

Recursion on lists: delete a value recursively

```
void deleteNodeRecursive(LinkedList *list, int value)
```



```
Node* deleteNodeRecursiveHelper(Node *head, int value)
```



Recall the steps towards a recursive solution

Searching for a value in a sorted array

10	20	30	40	50	60	70	80
0	1	2	3	4	5	6	7

Some comic relief...

	COMMENT	DATE
○	CREATED MAIN LOOP & TIMING CONTROL	14 HOURS AGO
○	ENABLED CONFIG FILE PARSING	9 HOURS AGO
○	MISC BUGFIXES	5 HOURS AGO
○	CODE ADDITIONS/EDITS	4 HOURS AGO
○	MORE CODE	4 HOURS AGO
○	HERE HAVE CODE	4 HOURS AGO
○	AAAAAAAAA	3 HOURS AGO
○	ADKFJSLKDFJSDKLFJ	3 HOURS AGO
○	MY HANDS ARE TYPING WORDS	2 HOURS AGO
○	HAAAAAAAAAANDS	2 HOURS AGO

AS A PROJECT DRAGS ON, MY GIT COMMIT MESSAGES GET LESS AND LESS INFORMATIVE.

[HTTP://XKCD.COM/1296/](http://xkcd.com/1296/)