חלק יבש

שאלה 2.1:

```
//stdlib/string/assert.h can't be included with "" brackets (coding error)
#include <stdlib.h>
#include <string.h>
#include <assert.h>

char* stringDuplicator(char* s, int times){
    assert(!s);
    assert(times > 0);

    //all caps variable names are for macro defenitions (convention error) - changed all appearances
    int len = strlen(s);

    //we need space (hence the +1) for string's null terminatior - (coding error)
    char* out = malloc(len*times+1);
    assert(out);

    //adding a pointer to the start of the string so we dont lose it - (coding error)
    char *temp = out;

    //<=times with i=0 makes the loop run more than intended - (coding error)
    //indentation between {} missing - (convention error)
    for(int i=0; i<times; i++){

    //wrong order: first the string should be copied with strcpy and then we can move on with out+=len - (coding error)
        strcpy(out,s);
        out = out + len;
    }
    return temp; //returning the pointer to the beggenning of the string since out was incremented - (coding error)
}
```

שאלה 2.2:

```
bool isListSorted(Node list);
Node mergeSortedLists(Node list1, Node list2){

    if(!isListSorted(list1)|| !isListSorted(list2)){
        return NULL;
    }
    Node temp=list1;
    While(temp->next!=NULL){
        temp=temp->next;
    }
    temp->next=list2;
    return list1;
}
```