

Convention Errors

Line 8: Fully capitalized name is used only for #define, not variables.

Line 4: Argument name "s" isn't meaningful, not allowed in this course.
Should be names "str";

Lines 11-12: Missing indentation inside for loop.

Code Errors

Lines 1-3: #include should be mention header file with <> and not "".

Line 5: Should be: assert(s).
That way we ensure the the given pointer isn't null.

Line 8: Missing "sizeof", should be:
char* out = malloc(LEN*times*sizeof(char));

Line 11: Index l is getting out of bounds. Should be: l<len;

Lines 12-13: Changing the pointer to the returns string, instead of working on temporary pointer. Also, we're advancing the pointer too many times, so it writes on memory out of our allocation.

Fixed Code

```
#include <stdlib.h>
#include <string.h>
#include <assert.h>

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

    int len = strlen(str);
    char* out = (char*)malloc(len*times*sizeof(char));
    assert(out);

    for (int i=0; i<times; i++)
    {
        strcpy(out,str);
        out = out + len;
    }

    return out-(times)*len;
}
```