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

#define NULL_CHAR '\0'

char* stringDuplicator(char* string, int times){
    assert(string);
    assert(times > 0);
    int len = strlen(string);
    char* out = malloc(sizeof(*out)*len*times+1);
    assert(out);
    char* tempOut = out;
    for (int i=0; i<times; i++){
        strcpy(tempOut,string);
        tempOut = tempOut + len;
    }
    *(tempOut) = NULL_CHAR;
    return out;
}
```