```c
1  //
2  // Created by aviram on 14/04/2020.
3  //
4
5  #include <stdlib.h>
6  #include <string.h>
7  #include <assert.h>
8
9
10 char *stringDuplicator(char *s, int times) {
11     // CONVENTION ERROR 1: s should be str
12     // CONVENTION ERROR 2: func name should be a verb
13     assert(!s);
14     // PROGRAMMING ERROR 1: should be assert(s)
15     assert(times > 0);
16     int LEN = strlen(s);
17     // CONVENTION ERROR 3: LEN - variable names should be in lower
   case
18     char *out = malloc(LEN * times);
19     assert(out);
20     // PROGRAMMING ERROR 2: should be if(!out) { return NULL; }
21     for (int i = 0; i < times; i++) {
22     // CONVENTION ERROR 4: no indent lines in for loop
23     out = out + LEN;
24     // PROGRAMMING ERROR 3: this two lines should flip - first copy,
   than increment pointer
25     strcpy(out, s);
26     }
27     return out;
28     // PROGRAMMING ERROR 4: returning a pointer to the end of out
   string
29 }
30
31
32                     // **********  Fixed: **********
33
34 #include <stdlib.h>
35 #include <string.h>
36 #include <assert.h>
37
38
39 char* stringDuplicate(char *str, int times) {
40     assert(str);
41     assert(times > 0);
42     char* out = malloc(strlen(str) * times);
43     if(!out) {
44         return NULL;
45     }
46     for (int i = 0; i < times; i++) {
47         strcat(out, str);
48     }
49     return out;
50 }
51
```