

# FND 10

## Strings.c

```
1  #include <stdio.h>
2  #include <stdlib.h>
3  #include "Strings.h"
4  #include <string.h>
5
6  char* mallocString (int stringsize)
7  {
8      char* pc = (char*) malloc( sizeof(char)*(stringsize+1));
9      if(pc ==(char*)NULL)
10     {
11         return (char*)NULL;
12     }
13     return pc;
14 }
15
16 void freeString(char* s)
17 {
18     free(s);
19 }
20
21 char* duplicateString (char* s)
22 {
23     char* copy = mallocString(sizeof(s));
24     if (copy == (char*)NULL)
25     {
26         return (char*) NULL;
27     }
28     strcpy(copy, s);
29     return copy;
30 }
31
```

## Terminal Compiling and Output

```
[mmoustaf@gc112m38 FND10]$ gcc -o strings Strings.c stringTest.c  
[mmoustaf@gc112m38 FND10]$ ./strings  
./strings
```