

```

1 #include <stdio.h>
2
3 void uppercase(char str[]) {
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14
15 }
16
17 void inspect(char str[]) {
18     for (int i = 0; str[i] != '\0'; i++) {
19         char c = str[i];
20         printf("(%c %d) ", c, c);
21     }
22     printf("\n");
23 }
24
25 int main() {
26     char message[] = "Hello!";
27     printf("%s\n", message);
28     printf("(%c %d) (%c %d) (%c %d) (%c %d) (%c %d) (%c %d) (%c %d)\n",
29         message[0], message[0],
30         message[1], message[1],
31         message[2], message[2],
32         message[3], message[3],
33         message[4], message[4],
34         message[5], message[5],
35         message[6], message[6]);
36     inspect(message);
37
38     // After this call, message should contain "HELLO!"
39     uppercase(message);
40     printf("After uppercase: %s\n", message);
41 }

```

```

gcchello.c - ohello ./hello
Hello!
(H 72) (e 101) (l 108) (l 108) (o 111) (! 33) ( 0)
(H 72) (e 101) (l 108) (l 108) (o 111) (! 33)
After uppercase: HELLO!

```