Module 4 Lab:

Source Code:

```
 1  //
 2  // UCI DCE 22 Fall
 3  //
 4  // EECS_805: C Programming for Embedded System
 5  // Module 4 Lab
 6  //
 7  // Cheng Fei
 8  //
 9
10  #include <stdio.h>
11  #include <stdlib.h>
12  #include <string.h>
13
14  void squeeze(char [], char []);
15
16  int main(void) {
17    char s1[] = "Hello World!";
18    char s2[] = "We have a bell!";
19    printf("String 1 is: %s\n", s1);
20    printf("String 2 is: %s\n\n", s2);
21    printf("After squeeze:\n");
22    squeeze(s1, s2);
23    printf("String 1 is: %s\n", s1);
24    printf("String 2 is: %s\n", s2);
25  }
26
27  void squeeze(char s1[], char s2[]) {
28    int size1 = strlen(s1);
29    int size2 = strlen(s2);
30    for (int i = 0; i < size1; i++) {
31      for (int j = 0; j < size2; j++) {
32        if (s1[i] == s2[j]) {
33          for (int k = i; k < size1; k++) {
34            s1[k] = s1[k+1];
35          }
36          size1--;
37          i--;
38          break;
39        }
40      }
41    }
42  }
```

Console Output:

```
Chengs-MacBook-Pro:src chengfei$ ./main
String 1 is: Hello World!
String 2 is: We have a bell!

After squeeze:
String 1 is: Hoord
String 2 is: We have a bell!
Chengs-MacBook-Pro:src chengfei$
```