



# COLEMAN UNIVERSITY

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**STUDENT #:** 77260

**CLASS #:** COM 390

**8-12AM**            **1-5PM**            **6-10PM**   X  

**PROJECT:** 3 - Str Sanitize

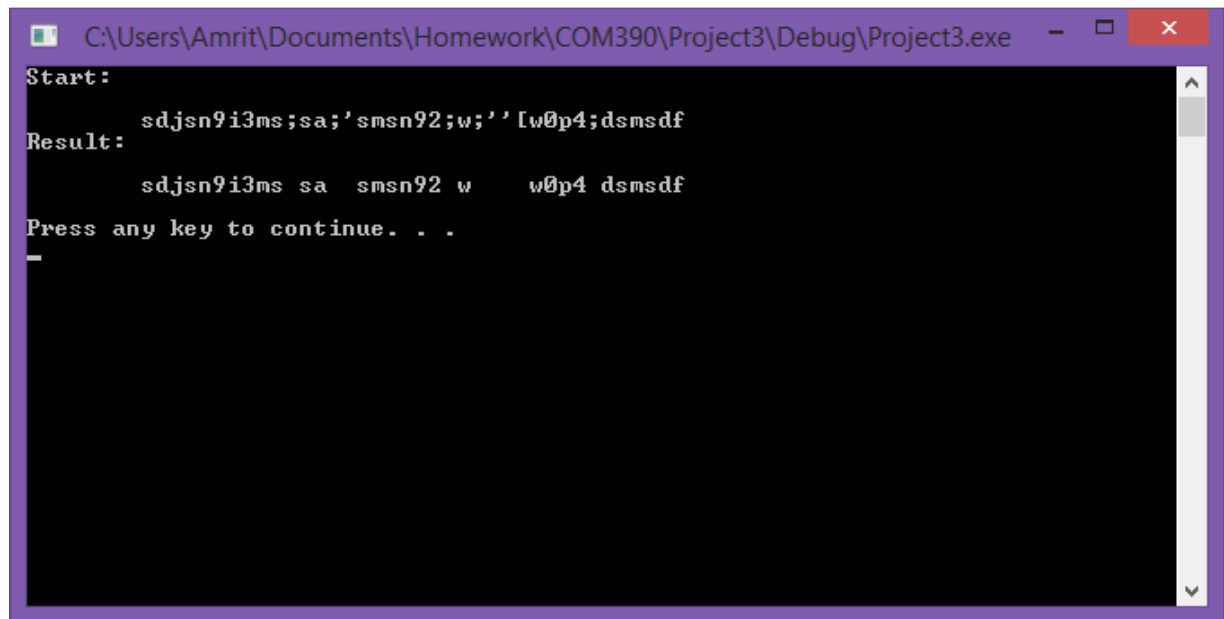
**INSTRUCTOR:** Scott Mayer

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1  /*****
2  *   Author: Amrit Panesar
3  *   Project: 3 - Special Characters
4  *   Date: 09/25/2015
5  *   Purpose: Sanitize a random string to only allow a-zA-Z0-9 without regex
6  *****/
7
8  #include <stdio.h>
9  #include <conio.h>
10 #include <string.h>
11
12 #define FILTERPAIRS 5
13 #define PAIR 2
14
15 char filter[FILTERPAIRS][PAIR];
16 char *Buffer;
17
18 const char * RandomStr = "sdjsn9i3ms;sa;'smns92;w;' '[w0p4;dmsdf";
19
20 int i, j, k = 0;
21
22 void init() {
23     filter[0][0] = 0; // control characters
24     filter[0][1] = 31;
25
26     filter[1][0] = 32; // punctuation
27     filter[1][1] = 47;
28
29     filter[2][0] = 58; // punctuation
30     filter[2][1] = 64;
31
32     filter[3][0] = 91; //
33     filter[3][1] = 96;
34
35     filter[4][0] = 123;
36     filter[4][1] = 255;
37 }
38
39 void shutdown() {
40     printf("\n%s\n", "Press any key to continue. . . ");
41     getch();
42 }
43
44 int main (int argc, char** argv) {
45     init();
46
47     Buffer = strdup(RandomStr);
48
49     printf("%s:\n\n\t%s\n", "Start", Buffer);
50
51     for (i = 0; i < FILTERPAIRS; i++) {
52         for (j = 0; j < strlen(Buffer); j++) {
53             if (Buffer[j] >= filter[i][0] && Buffer[j] <= filter[i][1]) {

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```
54         Buffer[j] = ' ';
55     }
56 }
57 }
58
59 printf("%s:\n\n\t%s\n", "Result", Buffer);
60
61 shutdown();
62 }
```



```
C:\Users\Amrit\Documents\Homework\COM390\Project3\Debug\Project3.exe
Start:
Result: sdjsn9i3ms;sa;'smsn92;w;' '[w0p4;dsmsdf
Press any key to continue. . .
_
```