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1  /*
2  Pseudo code:
3      Print welcome message.
4      Repeat until user wants to close program:
5          Get text to search from user.
6          Get set to search for from user.
7          Count number of times members of set appear in text.
8          Print result of count.
9  */
10
11 #include <stdio.h>
12 #include "countCharactersInSet.h"
13 #include "get_double.h"
14
15 int main()
16 {
17     const int maxlength = 101;
18     char myText[maxlength]; // array to contain text
19     char mySet[maxlength]; // array to contain text
20     int result;
21     int control_var = 1;
22
23     puts("*****");
24     puts("Welcome to Assignment 6");
25     puts("*****");
26
27     while (control_var != 2)
28     {
29         puts("");
30         // Get text to search.
31         printf("Enter text (Max length 100): ");
32         gets(myText);
33
34         puts("");
35
36         // Get set to search for.
37         printf("Enter search set (Max length 100): ");
38         gets(mySet);
39         puts("");
40
41         // Get results.
42         result = countCharactersInSet(myText, mySet);
43
44         // Print results
45         printf("Number of hits: %d\n", result);
46
47         // Check if user wants to try again.
48         control_var = (int) get_double("\n1: Try again.\n2: Exit program.\nPlease
choose option: ", 1, 2);
49
50         // Clear stdin.
51         char dummy;
52         while ((dummy = getchar()) != '\n');
53     }
54
55     // Close Program.
56     puts("");
57     puts("Closing program...");
58     return 0;
```

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59 | }
```