

```
1  /*Pseudo code:
2      Set counter to 0.
3      loop over chars in text until '\0' is encountered:
4          loop over chars in set until '\0' is encountered:
5              if char in text == char in set:
6                  Increment counter.
7          end loop.
8      end loop.
9  */
10 #include <stdio.h>
11
12 int countCharactersInSet(const char * text, const char * set)
13 {
14     int count = 0;
15     size_t i = 0;
16     size_t j = 0;
17
18     while (text[i] != '\0')
19     {
20         while (set[j] != '\0')
21         {
22             if (text[i] == set[j])
23             {
24                 count++;
25             }
26             j++;
27         }
28         i++;
29         j=0;
30     }
31     return count;
32 }
33
```