Quiz #3

Name:

1. Function `CountChars` accepts two parameters: an `apstring str` and a `char ch`. The function returns the number of occurrences of `ch` in `str`. For instance:

```
CountChars( "test", 't' )        returns 2
CountChars( "this", 'a' )        returns 0
```

Implement `CountChars` below.

2. Function `CountChars2` takes two parameters: the *source* string and the *target* string, and returns the total number of times that any character in the target string appears in the source string. It is assumed that the target string is duplicate free. Here are some examples:

```
CountChars2( "test", "t" )        returns 2
CountChars2( "thesis", "sh" )     returns 3 (2 s's and 1 h)
```

Implement the function `CountChars2` below. In implementing `CountChars2` you may call `CountChars`, defined in Question 1, and you may assume that `CountChars` works as specified, regardless of what you wrote in your answer to Question 1.