

Problem 1

Write a program that asks the user to enter a string, and then asks the user to enter a character. The program should count and display the number of times that the specified character appears in the string. All the input and output should be done through dialog boxes.

Problem 2

Write a program that asks the user for a sentence. Then the program should output the frequencies of unique characters in the sentence. The output should be done in a descending order and you should account for all the characters including spaces and punctuations. For example, if I enter

this is Paul Cao! Hello there from CS260!

Your program should output the following summary

```
: 7
!: 2
0: 1
2: 1
6: 1
C: 2
H: 1
P: 1
S: 1
a: 2
e: 3
f: 1
h: 2
i: 2
l: 3
m: 1
o: 3
r: 2
s: 2
t: 2
u: 1
```

The first row in the above sample output is the space count. All I/Os should be using keyboard and console.