CS-TA HW8

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HW8_1



- (From: Exercise 2 on P.157) Write an ISO/ANSI C++ program to read characters from the keyboard and count the vowels.
- Stop counting when a Q (or a q) is encountered.
- Use a combination of an infinite loop to get the characters, and a switch statement to count them.

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- char
- while, switch
- cin, cout
- demo

```
C:\Documents and Settings\mattkidd\My Documents\Visu... - - X
            入 q,Q 離開>:a
             q,Q 離開>:o
              q,Q 離開>:m
          輸入 q.Q 離開>:1
            入 q.Q 離開>:u
            入 q.Q 離開>:Q
```

HW8_2

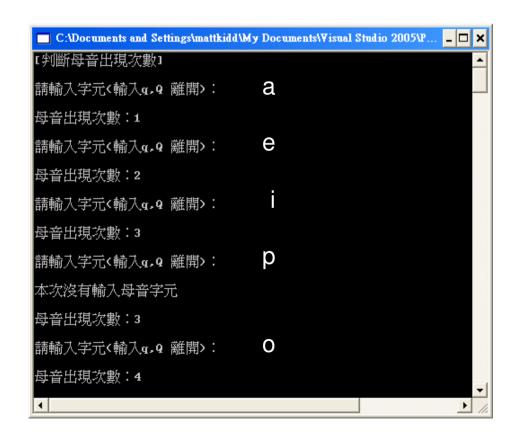
- (From: Exercise 5 on P.157) Repeat the above exercise as a C++/CLI console program.
- You can use Console::ReadKey() to read characters from the keyboard.

• 承接HW8_1的需求,將之修改成C++/CLI程式

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HW8_2 (Hint)

- Console::WriteLine
- Console::ReadKey
- while, switch
- demo



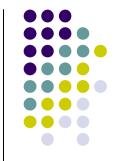
HW8_3



- Write an ISO/ANSI C++ console program which keeps on asking you to input a positive integer N.
- The program will use character "*" to output a diamond with radius N.
- The program will repeat the above actions until you supply a non-positive N. See the example below.

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HW8_3 (Cont.)



```
****
 ***
    ***
   ****
  ******
  ******
 ********
  *******
   ******
   ****
    ***
Press any key to continue . . .
```

HW8_3 (Hint)

- char
- for, if
- cin, cout

demo

