CSCI110 – Fundamentals of Computer Science MT SAC College CSCI110

	Lab #: _	2B		
Description: _		Problem 4.14 pg	j. 180	
Dı	ue Date: _	TBD		
Name:		Brandon Wu		
Grade	e:	_Freshman		
Notes:	IJs	sed mac terminal		

```
Prolog
 a.
      Program Description: Grade Letter Conversion
 b. Author: Brandon Wu
 C.
      Date: 06-28-22
 d. Input variables: words
 e. Process Flow: Operations, string manipulation, conditional statements
      Output variables: word[counter], syllable count
*/
#include <iostream>
#include <cmath>
#include <iomanip>
#include <string>
#include <sstream>
using namespace std;
int main()
  cout << "Please input your string: ";
  string words;
  getline(cin, words);
  int string_length = words.length();
  cout << "Words";
  cout << setw(20) << "Syllables" << endl;
                                           " << endl;
  cout << "
  int counter:
  int syllable count = 0;
  char last vowel position;
  int total words = 0;
  int consecutive vowel count = 0;
  for (counter = 0; counter <= string length; counter++)
    if (words[counter] == 'a' || words[counter] == 'e' || words[counter] == 'i' ||
words[counter] == 'o' || words[counter] == 'u' || words[counter] == 'y')
    {
       consecutive vowel count += 1;
       total words += 1;
       last vowel position = words[counter];
```

```
if (consecutive_vowel_count == 1)
       syllable_count += 1;
     cout << words[counter];</pre>
  else if (words[counter] == ''|| words[-1] == words[counter])
     if (last_vowel_position == 'e')
       syllable_count -= 1;
     if (syllable_count == 0)
       syllable_count += 1;
     cout << setw(20 - total_words) << syllable_count << endl;</pre>
     syllable_count = 0;
     total_words = 0;
  }
  else
  {
     consecutive_vowel_count = 0;
     total_words += 1;
     cout << words[counter];</pre>
  }
}
return 0;
```

```
Brandons-Air-2:Project1 brandonwu$ cd "/Users/brandonwu/Project1/Lab2/" && g++ Lab2B.cpp -o Lab2B && "/Users/brandonwu/Project1/Lab2/"Lab2B Please input your string: Harry hair hare the Words Syllables
Harry
hair
hare
the
Brandons-Air-2:Lab2 brandonwu$ cd "/Users/brandonwu/Project1/Lab2/" && g++ Lab2B.cpp -o Lab2B && "/Users/brandonwu/Project1/Lab2/"Lab2B Please input your string: works with more than four words

Words Syllables
works
with
more
than
four
Brandons-Air-2:Lab2 brandonwu$ cd "/Users/brandonwu/Project1/Lab2/" && g++ Lab2B.cpp -o Lab2B && "/Users/brandonwu/Project1/Lab2/"Lab2B Please input your string: this lab was extremely hard Words Syllables
this
lab
was
extremely
Brandons-Air-2:Lab2 brandonwu$ cd "/Users/brandonwu/Project1/Lab2/" && g++ Lab2B.cpp -o Lab2B && "/Users/brandonwu/Project1/Lab2/"Lab2B Please input your string: must account for last e and consecutive vowels
Words Syllables
must
account
for
last
and
consecutive
vowels
Brandons-Air-2:Lab2 brandonwu$
```