

Pig Latin Assignment

Complete the function `TranslateToPigLatin`. It should encode English language phrases into pig Latin. Pig Latin is a form of coded language often used for amusement. Many variations exist in the methods used to form pig Latin phrases. For consistency, use the following algorithm:

For words that begin with a single consonant take the consonant off the front of the word and add it to the end of the word. Then add `ay` after the consonant. Here are some examples:

cat = atcay dog = ogday simply = implysay noise = oisenay

For words that began with double or multiple consonants take the group of consonants off the front of the word and add them to the end, adding `ay` at the very end of the word. Here are some examples:

scratch = atchscray thick = ickthay flight = ightflay grime = imegray

For words that begin with a vowel, just add `yay` at the end. For example:

is = isyay apple = appleyay under = underyay octopus = octopusyay

For simplicity sake we will consider `y` a consonant.

Example Run:

```
Please enter a phrase to be translated to Pig Latin:
this is a test
isthay isyay ayay esttay
```

You can start with this code:

```
#include<iostream>
#include<string>
using namespace std;

void TranslateToPigLatin(string& phrase);
int LeadingConsonantCount(string word);
bool isVowel(char c);

void main()
{
    string phrase;

    cout << "Please enter a phrase to be translated to Pig Latin:" << endl;
    getline(cin, phrase);

    TranslateToPigLatin(phrase);

    cout << phrase << endl;
}

void TranslateToPigLatin(string& phrase)
{
    //Your work goes here
    //Add functions where appropriate
    phrase = "The Phrase should become the original phrase but now in pig Latin";
```

```
}  
  
int LeadingConsonantCount(string word)  
{  
    int result = 0;  
    //count the number of consonants here  
  
    return result;  
}  
  
bool isVowel(char c)  
{  
    bool result = false;  
  
    if(c == 'a' || c == 'e' || c == 'i' || c == 'o' || c == 'u' || c == 'A' || c == 'E' || c  
== 'I' || c == 'O' || c == 'U')  
    {  
        result = true;  
    }  
  
    return result;  
}
```