#include <iostream>

#include <string>

using namespace std;

bool Is\_vowel(char x)

{

string VOWEL= "AEIOUY";

string vowel = "aeiouy";

for (int i = 0; vowel[i]!='\0'; i++)

if (x == vowel[i] || x == VOWEL[i])

return true;

return false;

}

struct spisok

{

string slovo;

spisok \*next, \*pred;

};

int main()

{

int k = 0, k1 = 0, i = 0,j;

string s,m;

spisok \*first, \*f, \*q, \*last;

first = new spisok;

first->pred = nullptr;

cout << "Input s: ";

getline(cin, s);

m = "";

while (!isspace(s[i]))

{

m += s[i];

i++;

}

first->slovo = m;

m = "";

q = new spisok;

first->next = q;

f = first;

i++;

for (j = i; s[j]!='\0'; j++)

if (s[j] != ' ')

m += s[j];

else

{

q->slovo = m;

q->pred = f;

m = "";

f = q;

q = new spisok;

f->next = q;

}

q->slovo = m;

q->pred = f;

m = "";

q->next = nullptr;

f = q;

last = f;

f = first;

cout << endl;

cout << "Spisok: ";

while (f!=nullptr)

{

cout << f->slovo << " ";

f = f->next;

}

f = first;

cout << endl;

cout << "Words that start with vowel: ";

while (f != nullptr)

{

if (Is\_vowel((f->slovo)[0]))

{

k++;

cout << f->slovo << " ";

}

f = f->next;

}

cout << endl;

cout << "Count: " << k << endl;

f = first;

cout << "Words that end with consonant: ";

while (f != nullptr)

{

if (!Is\_vowel((f->slovo)[(f->slovo).length()-1]))

{

cout << f->slovo << " ";

k1++;

}

f = f->next;

}

cout << endl;

cout << "Count: " << k1 << endl;

f = first;

while (f != nullptr)

{

q = f->next;

delete f;

f = q;

}

return 0;

}