#include <iostream>

#include <string>

#include <set>

#include <iterator>

using namespace std;

int main()

{

string s;

int i;

char j;

set <char> m1, m2, m11, m22;

for (j = 'a'; j < 'z'; j++)

m1.insert(j);

m11.insert('0');

m11.insert('1');

m11.insert('2');

m11.insert('3');

m11.insert('4');

m11.insert('5');

m11.insert('6');

m11.insert('7');

m11.insert('8');

m11.insert('9');

i = 0;

cout << "Input s" << endl;

getline(cin, s);

while (isspace(s[i]))

i++;

for (; s[i] != '.'; i++)

{

if (s[i] != ' ')

{

if (m1.find(s[i]) != m1.end())

m2.insert(s[i]);

if (m11.find(s[i]) != m11.end())

m22.insert(s[i]);

}

}

cout << "First set: ";

copy(m2.begin(), m2.end(), ostream\_iterator<char>(cout, " "));

cout << endl;

cout << "Second set: ";

copy(m22.begin(), m22.end(), ostream\_iterator<char>(cout, " "));

cout << endl;

return 0;

}