#include<iostream>

using namespace std;

class natureNum {

private:

int a;

int b, c, d;

int e;

public:

natureNum(int x)

{

e = x;

}

natureNum(int x, int y)

{

a = x; b = y;

c = x; d = y;

}

int minmultiple();

int maxdivisor();

void showdivisor();

};

int natureNum::maxdivisor()

{

if (a < b) { int t = a; a = b; b = t; }

while (b > 0) {

int temp = a % b;

a = b;

b = temp;

}

return a;

}

int natureNum::minmultiple()

{

int gcd = maxdivisor();

int result = c\*d/gcd;

return result;

}

void natureNum::showdivisor()

{

cout<<e<<"的因数有: ";

for(int i = 1;i<=e/2;i++)

{ if(e%i == 0) cout<<i<<" "; }

}

int main()

{

int p,q;

cin>>p>>q;

if (q== 0||p==0)

throw"你输入了错误的值";

natureNum abc(p,q);

abc.minmultiple();

cout << p << "和" << q << "的最大公约数是:" << abc.maxdivisor() << endl;

cout << p << "和" << q << "的最小公倍数是:" << abc.minmultiple() << endl;

int m;

cin >> m;

natureNum divisor1(m);

divisor1.showdivisor();

system("pause");

return 0;

}