#include <iostream>

using namespace std;

void gcd(int a,int b)

{

int z=1;int x=1;

if(a>b)

{

int temp=b;

while(temp!=0)

{

z=b%temp;

x=a%temp;

if(z==0 && x==0)

{

if(temp==1)

{

cout<<a<<" and "<<b<<" are co-prime"<<endl;

}

else

{

cout<<a<<" and "<<b<<" are not co-prime"<<endl;

}

break;

}

temp--;

}

}

else

{

int temp=a;

while(temp!=0)

{

z=b%temp;

x=a%temp;

if(z==0 && x==0)

{

if(temp==1)

{

cout<<a<<" and "<<b<<" are co-prime"<<endl;

}

else

{

cout<<a<<" and "<<b<<" are not co-prime"<<endl;

}

break;

}

temp--;

}

}

}

int main()

{

int a,b;

cout<<"enter first number"<<endl;

cin>>a;

cout<<"enter second number"<<endl;

cin>>b;

gcd(a,b);

}