#include <stdio.h>

int GCD(int a,int b)

{

int rem,flag,temp;

flag=0;

if(b>a)

{ if(a==0)

{

flag=1;

temp=b;

}

else

{rem=(int)b%a;

GCD(a,rem);}

}

if(a>b)

{ if(b==0)

{

flag=1;

temp=a;

}

else

{rem=(int)a%b;

GCD(b,rem);}

}

if(flag)

{

return temp;

}

}

int main()

{

int num1,num2,choice,gcd,lcm;

printf("Enter the number1 other than zero ");

scanf("%d",&num1);

printf("Enter the number2 other than zero ");

scanf("%d",&num2);

printf("Enter the choice ");

scanf("%d",&choice);

switch(choice)

{

case 1:gcd=GCD(num1,num2);

printf("GCD of %d and %d is %d",num1,num2,gcd);

break;

case 2:gcd=GCD(num1,num2);

lcm=(int)((num1\*num2)/gcd);

printf("LCM of %d and %d is %d",num1,num2,lcm);

break;

default:printf("Choice Invalid !!!..");

}

}