

<https://course.acciojob.com/idle?question=04c37721-2db1-494d-b1f6-7cdffa50450f>

- EASY
- Max Score: 30 Points

FIND GCD

You are given two non-negative integers.

Your task is to calculate their GCD using the euclidian theorem.

Input Format

The first line of input contains two space-separated integers A and B .

Output Format

The only line of the output should contain the GCD of A and B .

Example 1

Input

12 8

Output

4

Explanation

GCD of 12 and 8 is 4.

Example 2

Input

5 7

Output

1

Explanation

GCD of 5 and 7 is 1.

Constraints

$0 \leq A \leq 10^9$

$0 \leq B \leq 10^9$

Topic Tags

- Math

My code

// in java

```
import java.util.*;  
import java.lang.*;  
import java.io.*;
```

```
public class Main
```

```
{
```

```
    public static void main (String[] args) throws java.lang.Exception
```

```
    {
```

```
        //your code here
```

```
Scanner s=new Scanner(System.in);
int n=s.nextInt();
int m=s.nextInt();
while(m!=n)
{
    if (m>n)
        m=m-n;
    else n=n-m;
}
System.out.print(m);
}
```