

Solution Code

```
import java.util.Scanner;

public class GCD {

    public static void main(String[] args) {

        int a,b,gcd,temp1,temp2;

        Scanner sc = new Scanner(System.in);

        System.out.println("Enter 1st No.");
        a=sc.nextInt();
        System.out.println("Enter 2nd No.");
        b=sc.nextInt();

        temp1=a;
        temp2=b;

        while(true)
        {
            if(a>b)
            {
```

Solution Code

```
if(a%b==0)
    {
        gcd=b;
        break;
    }
else
    {
        a=a%b;
    }
}
else
{ if(b%a==0)
    {
        gcd=a;
        break;
    }
else
    {
        b=b%a;
    }
}} System.out.println("GCD of "+ temp1 +" and "+ temp2
+" = "+ gcd);
}
}
```