

```
1 //29. Create a program to find the Greatest Common
   Divisor (GCD) of two integers.
2 import java.util.Scanner;
3
4 public class GCDCalculator {
5     public static void main(String[] args) {
6         Scanner sc = new Scanner(System.in);
7         System.out.print("Enter first number: ");
8         int a = sc.nextInt();
9         System.out.print("Enter second number: ");
10        int b = sc.nextInt();
11        sc.close();
12
13        System.out.println("GCD of " + a + " and " +
   b + " is: " + gcd(a, b));
14    }
15
16    public static int gcd(int a, int b) {
17        while (b != 0) {
18            int temp = b;
19            b = a % b;
20            a = temp;
21        }
22        return a;
23    }
24 }
25
26
```