Practical – 7

Object: **WAP to find G. C. D. of two numbers.**

Program:

GCD.java

```java
import java.util.Scanner;
class GCD
{
    public static void main(String []args)
    {
        Scanner sc=new Scanner(System.in);
        System.out.print("Enter two numbers to find the Greatest Common Factor(GCD): ");
        int n1=sc.nextInt();
        int n2=sc.nextInt();
        int gcd=1;
        for(int i=2;i<=n1 && i<=n2;i++)
        {
            if(n1%i==0 && n2%i==0)
            {
                gcd=i;
            }
        }
        System.out.println("GCD of "+n1+" and "+n2+"= "+gcd);
    }
}
```