# PRACTICAL-2

**Objective** – Write a program to find GCD of two numbers using Euclidean Algorithm

**Code-**

```c
#include<stdio.h>
int gcd(int a, int b){
    if(a==0){return b;}
    return gcd(b%a,a);
}
int main(){
    int a,b;
    printf("\nEnter A and B:");
    scanf("%d %d",&a,&b);
    printf("GDC of %d and %d is: %d\n\n",a,b,gcd(a,b));
    return 0;
}
```

**Output-**

```
(base) [rli@rli Lab2]$ gcc File2.c -o File2
(base) [rli@rli Lab2]$ ./File2

Enter A and B:10 15
GDC of 10 and 15 is: 5

(base) [rli@rli Lab2]$ ./File2

Enter A and B:15 10
GDC of 15 and 10 is: 5

(base) [rli@rli Lab2]$ ./File2

Enter A and B:10 13
GDC of 10 and 13 is: 1

(base) [rli@rli Lab2]$ █
```