Code:

#include <stdio.h>

#include<conio.h>

int main() {

int gcd,a,b;

clrscr();

printf("Enter 2 numbers\n");

scanf("%d%d",&a,&b);

asm mov ax,a;

asm mov bx,b;

l1:

asm cmp ax,bx;

asm jz l;

asm jc m;

asm jmp n;

m:

asm sub bx,ax;

asm loop l1;

n:

asm sub ax,bx;

asm loop l1;

l:

asm mov gcd,ax;

printf("GCD of the 2 numbers is %d\n",gcd);

getch();

return 0;

}

Output:

