Write a C program to find the GCD(greatest common divisor) of two given integers by using recursive and Non-recursive functions.

#include<stdio.h>

#include<conio.h>

#include<math.h>

unsigned int GCDRecursive(unsigned m, unsigned n);

int main(void)

{

int a,b;

clrscr();

printf("Enter the two numbers whose GCD is to be found: ");

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

printf("GCD of %d and %d Using Recursive Function is %d\n",a,b,GCDRecursive(a,b));

getch();

}

/\* Recursive Function\*/ unsigned int GCDRecursive(unsigned m, unsigned n)

{

if(n>m)

return GCDRecursive(n,m);

if(n==0)

return m;

else

return GCDRecursive(n,m%n);

}