**Recursive program to find GCD of two numbers.**

#include<stdio.h>

#include<math.h>

void main()

{

int m,n;

printf(" Enter the values of m & n \n");

scanf("%d%d",&m,&n);

printf(" GCD of m & n is %d \n",gcd(m,n));

}

**// Function to find GCD of two numbers by Euclid's method**

gcd(int m, int n)

{

if(n==0) return m;

return(gcd(n,m%n));

}

**OUTPUT:-**

Enter the values of m & n

4 5

GCD of m & n is 1

Enter the values of m & n

12 60

GCD of m & n is 12

Enter the values of m & n

100 22

GCD of m & n is 2

Enter the values of m & n

100 15

GCD of m & n is 5

Enter the values of m & n

22 3

GCD of m & n is 1