**Task 1**

**Objective:**

Write a recusrsive function to print the GCD(greatest common divisor).

**PROGRAMME CODE**

#include<iostream>

using namespace std;

int gcd(int a,int b,int n)

{

if((a%n==0)&&(b%n==0))

{

cout<<"\nGreatest Common Divisor is "<<n<<endl;

return n;

}

else

{

gcd(a,b,n-1);

}

}

void main()

{

int a,b,n;

cout<<"Enter first number : ";

cin>>a;

cout<<"Enter second number : ";

cin>>b;

if (a<b)

n=a;

else if(b<a)

n=b;

else

n=a-1;

gcd(a,b,n);

system("pause");

}