**Program:**

**#include<iostream.h>**

**#include<conio.h>**

**GCD(int x,int y);**

**void main()**

**{**

**clrscr();**

**int t,a,b;**

**cout<<"Enter the two numbers to find their GCD:\n";**

**cin>>a>>b;**

**t=GCD(a,b);**

**cout<<"\nThe greatest common divisor is:\n"<<t;**

**getch();**

**}**

**GCD(int x,int y)**

**{**

**int i,z;**

**for(i=1;i<=x;i++)**

**{**

**if(x%i==0&&y%i==0)**

**{**

**z=i;**

**}**

**}**

**return(z);**

**}**

**Output:**

