**/\* 23. wap to calculate gcd of two numbers (i) recursion \*/**

using namespace std;

#include<iostream >

int gcd (int,int );

int main()

{

int a,b,d,c ;

cout <<"\n enter the value of a :";

cin>>a;

cout <<"\n enter the value of b :";

cin>>b ;

if (a>b)

{

c=gcd(a,b);

cout<<"Gcd is :- "<<endl;

cout <<c;

}

else

{

d=gcd (b ,a );

cout<<"Gcd is:- "<<endl;

cout <<d;

}

system ("pause");

return 0 ;

}

int gcd (int a,int b )

{

if (a%b==0)

return (b );

else

return (b,a%b);

}

Output:-

