EXERCISE: 10

DATE: 24/11/2020

AIM:

To write a Python program to find the greatest common divisor (gcd) of two integers using recursion.

PROGRAM:

def gcd(a,b):

if b==0:

return a

return gcd(b,a%b)

a = int(input("Enter first number:"))

b = int(input("Enter second number:"))

GCD = gcd(a,b)

print("GCD is: ")

print(GCD)

<http://103.53.53.18/mod/vpl/forms/submissionview.php?id=326&userid=1732>

OUTPUT:

Enter first number:1

Enter second number:2

GCD is:

1

RESULT:

The above program is executed and the GCD of two number is obtained using recursion.