***Exercise NO:11***

***DATE: 23/11/2020***

**AIM:**

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

**PROGRAM**:

def gcd(a,b):

if(a==0):

return a

if(b==0):

return b

if(a==b):

return b

if(a>b):

return(gcd(a-b,b))

else:

return gcd(a,b-a)

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

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

GCD=gcd(a,b)

print("GCD is:")

print(GCD)

**LINK:**

<http://103.53.53.18/mod/vpl/forms/submissionview.php?id=326&userid=1651>

**OUTPUT:**

Enter first number:1

Enter second number:2

GCD is:

1

**RESULT:**

Python program to find the greatest common divisor (gcd) of two integers using recursion is entered.