EX NO=11

21/11/2020

**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=1645>

**OUT PUT:**

Enter first number: 5

Enter second number: 5

GCD is: 5

**RESULT**:

The output for the program is successfully verified.