**Ex No: 11**

**Date: 20.11.20**

**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

else:

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)

**LINK:**

<http://103.53.53.18/mod/vpl/forms/submissionview.php?id=326&userid=1804>

**OUTPUT:**

Enter first number:15

Enter second number:5

GCD is:

5

**RESULT:**

The greatest common divisor (gcd) of two integers is obtained successfully using recursion.