**Exercise No: 11**

**Date:18.11.2020**

**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

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/edit.php?id=326 HYPERLINK "http://103.53.53.18/mod/vpl/forms/edit.php?id=326&userid=1649#"& HYPERLINK "http://103.53.53.18/mod/vpl/forms/edit.php?id=326&userid=1649#"userid=1649#](http://103.53.53.18/mod/vpl/forms/edit.php?id=326&userid=1649#)

**Output:**

Enter first number:6

Enter second number:20

GCD is:

2

**Result:** Program to find the greatest common divisor (gcd) of two integers using recursion has been successfully verified.