**Exercise no:**: 11

**Date:**: 23/11/2020

**Aim:**To write a Python program to find the greatest common divisor (GCD) of two integers using recursion

**Program:**

def gcd(a,b):

If(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/view.php?id=326**

**Output:**

Enter first number:12

Enter second number:18

GCD is 6

**Result:** The greatest common divisor (GCD) of two integers using recursion is successfully obtained.