**EXERCISE NO** :11

**DATE** : 22-11-2020

**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 the first number:"))

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

GCD=gcd(a,b)

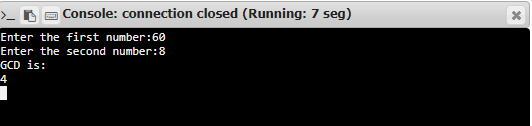
print("GCD is:")

print(GCD)

**LINK:**

<http://103.53.53.18/mod/vpl/forms/edit.php?id=326&userid=1784#>

**OUTPUT:**



**RESULT:**

Hence, the program is executed successfully.