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(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)

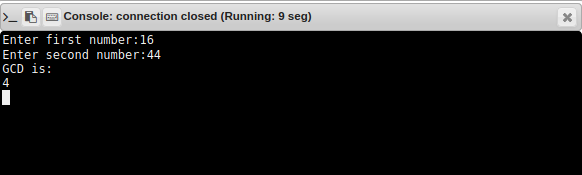
print("GCD is: ")

print(GCD)

**Link:**

<http://103.53.53.18/mod/vpl/forms/submissionview.php?id=326&userid=1673>

**Output:**

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**Result:**

Thus the program to find the greatest common divisor of two integers using recursion is executed and the output is obtained.