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 first number:"))

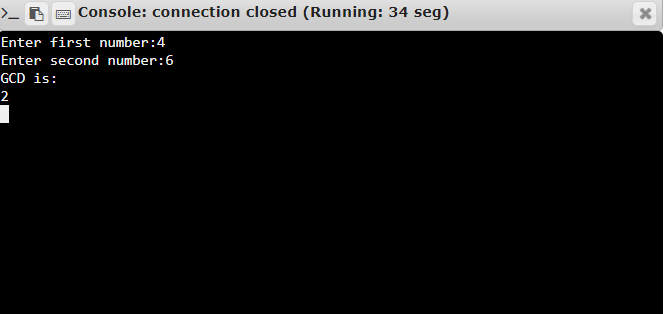
b=int(input("Enter second number:"))

GCD=gcd(a,b)

print("GCD is:")

print(GCD)

OUTPUT:



LINK:

[http://103.53.53.18/mod/vpl/forms/edit.php?id=326&userid=1700#](http://103.53.53.18/mod/vpl/forms/edit.php?id=326&userid=1700)

RESULT:

Thus, the program was executed successfully.

grestest