**EXERCISE: 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/forms/submissionview.php?id=326&userid=1637**](http://103.53.53.18/mod/vpl/forms/submissionview.php?id=326&userid=1637)

**OUTPUT:**

Enter first number:8

Enter second number:2

GCD is:

2

**RESULT:**

The greatest common divisor (GCD) of the given two integers using recursion is successfully obtained.