**EXERCISE.NO:11**

**DATE:19/11/2020**

**AIM:**

*To write a Python program to find the greatest common divisor (gcd) of two integers using recursion*.

**PROGRAM:**

*def gcd(a,b):*

*if(b==0):*

*return a*

*else:*

*return gcd(b,a%b)*

*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/edit.php?id=326&userid=1738#vpl_file0>*

**OUTPUT:**

*Enter first number:8*

*Enter second number:12*

*GCD is:*

*4*

**RESULT:**

*Program to find the greatest common divisor (gcd) of two integers using recursion is done.*