**Exercise No** :

**Date** : 20.11.2020

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

**Program**:

def gcd(x,y):

gcd=1

try:

if(x%y)==0:

return y

for k in range(int(y/2),0,-1):

if x%k == 0 and y%k ==0:

gcd = k

break

return gcd

except:

return 0

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=1774>

**Output**:

Enter first number:12

Enter second number:17

GCD is:

1

**Result** : gcd of two numbers are obtained.