

EXERCISE: 11

DATE: 20.11.2020

AIM:

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

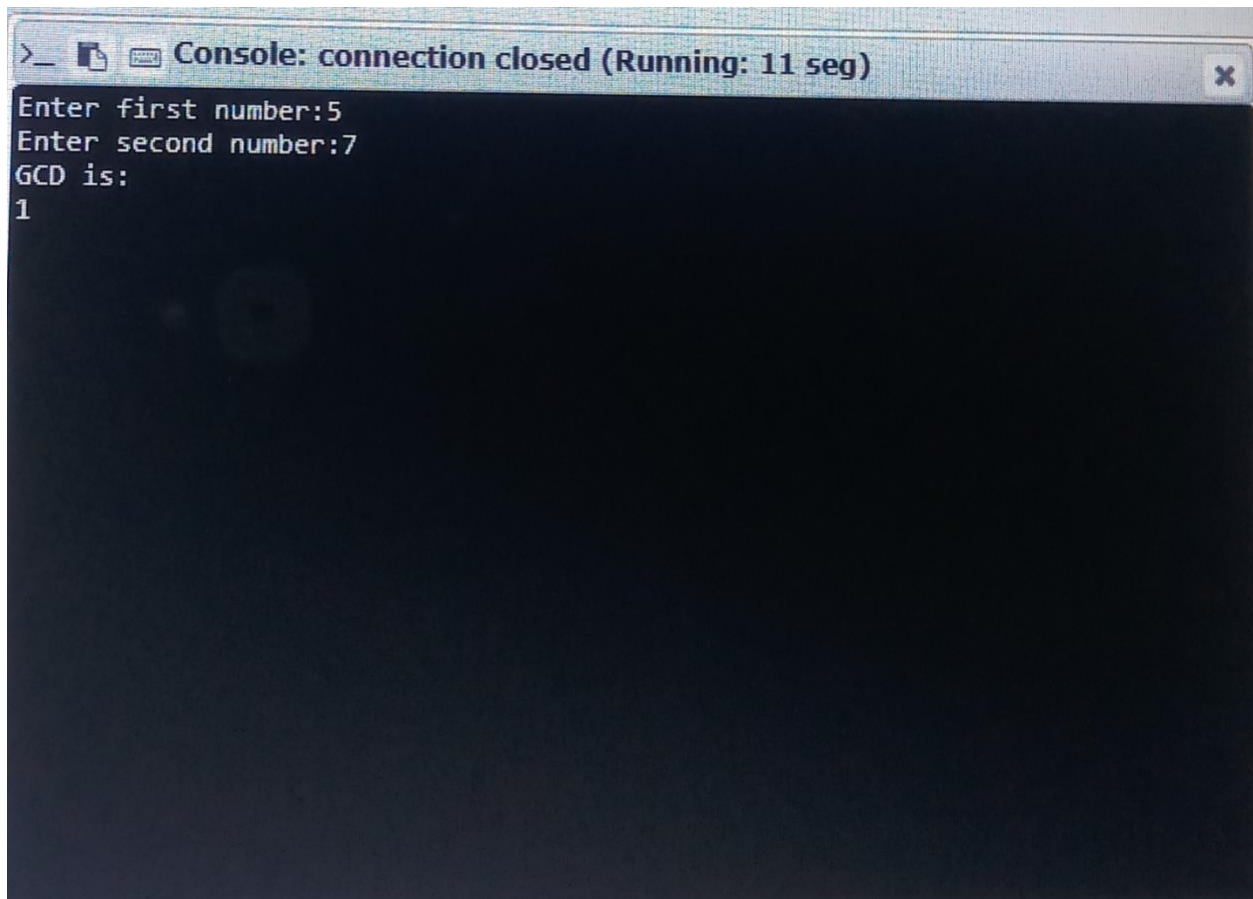
PROGRAM:

```
def gcd(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/submissionview.php?id=326&userid=1690>

OUTPUT:

A screenshot of a console window with a title bar that reads "Console: connection closed (Running: 11 seg)". The console area is black with white text. The text displayed is: "Enter first number:5", "Enter second number:7", "GCD is:", and "1".

```
>_ Console: connection closed (Running: 11 seg)
Enter first number:5
Enter second number:7
GCD is:
1
```

RESULT:

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