EXERCISE: 11

DATE: 20.11.2020

AIM:

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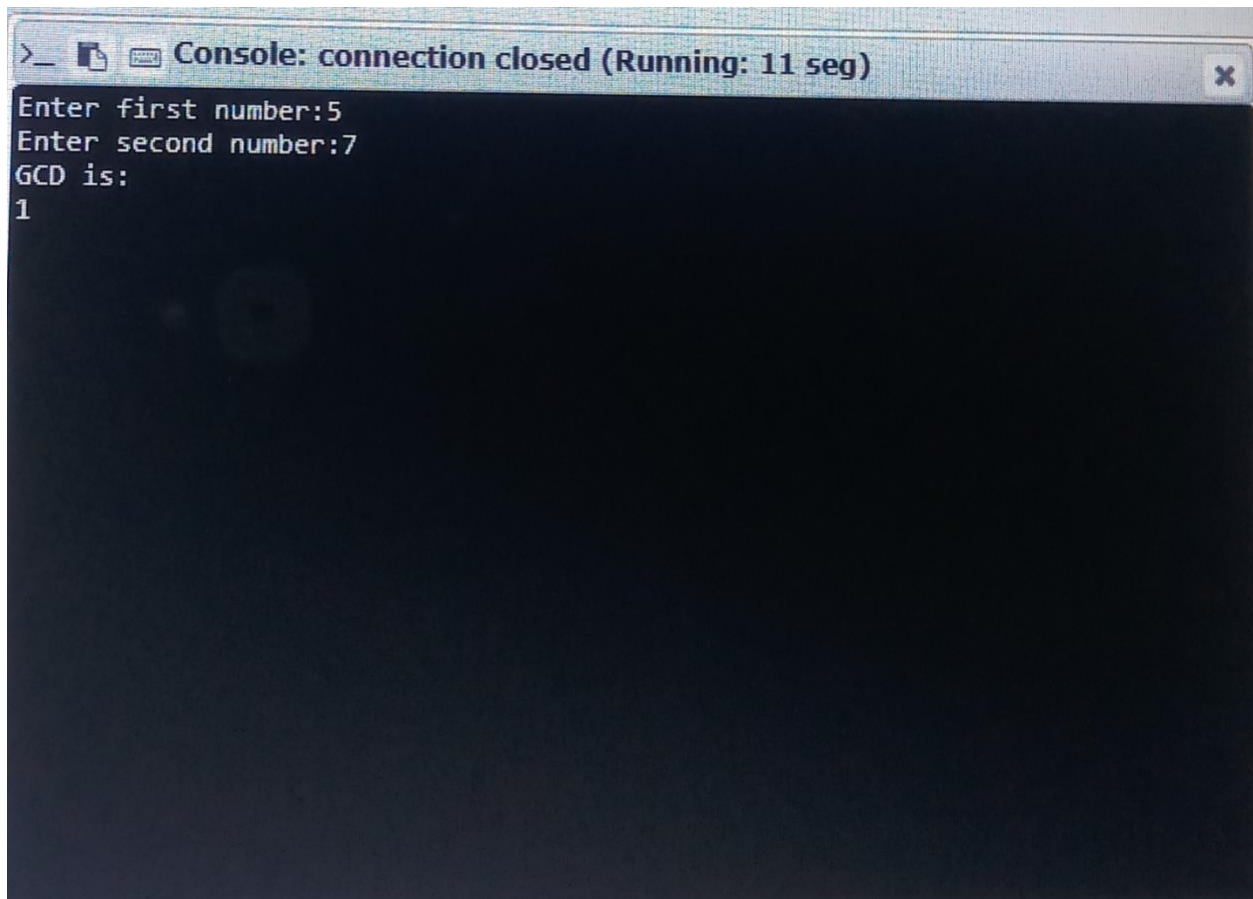
PROGRAM:

```python
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:

```
>_  📋 ⌨ 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.