

Python Programming
LABORATORY MANUAL
B.Tech Semester -IV
Subject Code: (KNC-402)



Session: 2020-21, Even Semester

Name:	KUSHAGRA JAISWAL
Roll. No.:	2000910139004
Group/Branch:	I.T-1

JSS MAHAVIDYAPEETHA
DEPARTMENT OF INFORMATION TECHNOLOGY
JSS ACADEMY OF TECHNICAL EDUCATION
C-20/1, SECTOR-62, NOIDA

OBJECT-:

To write a python program to compute the GCD of two numbers. (without builtin function)

PROGRAM-:

```
cd.py > GCD_Loop
def GCD_Loop( a, b):
    if a > b:
        temp = b
    else:
        temp = a
    for i in range(1, temp + 1):
        if (( a % i == 0) and (b % i == 0 )):
            gcd = i
    return gcd
x = int(input (" Enter the first number: "))
y =int (input (" Enter the second number: "))
num = GCD_Loop(x, y)
print("GCD of two number is: ")
print(num)
```

OUTPUT-:

[139, 154]

PS D:\Python> python -u "d:\Python\gcd.py"

Enter the first number: 8

Enter the second number: 4

GCD of two number is:

4

PS D:\Python>