Beta

**Find GCF (Greatest Common Factor)**

1185% of48116[rayGobel](https://www.codewars.com/users/rayGobel)

Python

* [TRAIN AGAIN](https://www.codewars.com/kata/find-gcf-greatest-common-factor/train/python)
* [NEXT KATA](https://www.codewars.com/trainer/python)

Details

[Solutions](https://www.codewars.com/kata/find-gcf-greatest-common-factor/solutions/python)

[Discourse (9)](https://www.codewars.com/kata/find-gcf-greatest-common-factor/discuss/python)

* Add to Collection
* |
* Share this kata:

Create a simple algorithm to find the [Greatest Comon Factor (GCF)](http://en.wikipedia.org/wiki/Greatest_common_divisor" \t "_blank) between two number. Your function should accept two integers and should return an integer as GCF between inputs.

For example:

largest\_factor(50,25)

should return 25

This was because 50 and 25 are both divisible by 25 which is the possible largest factor between the two.

largest\_factor(81,63)

should return 9

largest\_factor(24,54)

should return 6

largest\_factor(67,19)

should return 1

Acceptable return value is greater or equal to 1, also, num1 and num2 should be an integer greater than 0.

<https://www.codewars.com/kata/find-gcf-greatest-common-factor/python>

# Recursive function to return gcd of a and b

def gcd(a,b):

    # Everything divides 0

    if (b == 0):

         return a

    return gcd(b, a%b)

# Driver program to test above function

a = 98

b = 56

if(gcd(a, b)):

    print('GCD of', a, 'and', b, 'is', gcd(a, b))

else:

    print('not found')

# This code is contributed by Danish Raza