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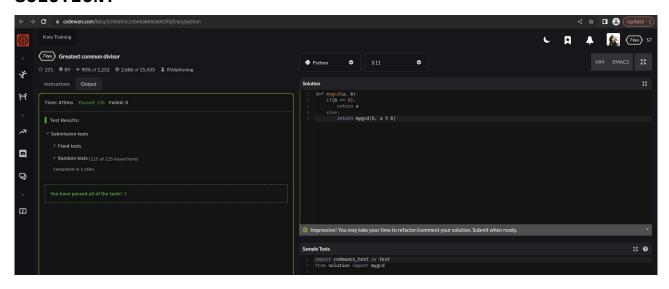
Greatest common divisor

DESCRIPTION:

Find the greatest common divisor of two positive integers. The integers can be large, so you need to find a clever solution.

The inputs X and Y are always greater or equal to 1, so the greatest common divisor will always be an integer that is also greater or equal to 1.

SOLUTION:



EXPLANATION:

It's a recursive approach of implementing Euclidean algo in terms of finding GCD of two positive integers. The function takes two integer inputs a and b, and if b is zero, it returns a as the GCD of a and b. If b is not zero, the function recursively calls itself with b as the first argument and the remainder of a divided by b as the second argument. This continues until b is zero, at which point the GCD is returned.