RECURSION

Write a program that computes the greastest common divisor that evenly divides two non-negative integers. "Evenly divides" means no (zero) remainder. Your program must include a recursive function with the following heading:

int gcd(int m, int n)

Euclid's algorithm can be used to define gcd(m,n):

$$\gcd(m,n) = \begin{cases} m & ,n = 0 \\ \gcd(n, m\%n) & ,n \neq 0 \end{cases}$$

Here are some examples of correct answers:
    gcd(0,0) returns 0
    gcd(12,0) returns 12
    gcd(1,1) returns 1
    gcd(2,4) returns 2
    gcd(10,25) returns 5