Quiz # 1 (A)

EC-102 - Computer Systems and Programming

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The greatest common divisor of integers x and y is the largest integer that evenly divides both x and y.

Write a recursive function gcd that returns the greatest common divisor of x and y, defined recursively as follows:

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- If y is equal to 0, then gcd(x, y) is x; otherwise,
- gcd(x, y) is gcd(y, x % y)

[Note: For this algorithm, x must be larger than y.]