8.

int gcd(int a, int b)

{

**if** (a == 0){

**return** b;}

**if** (b == 0){

**return** a;}

**if** (a == b){

**return** a;}

**if** (a > b) {

**if** (a % b == 0){

**return** b;}

**return** gcd(a - b, b);}

**if** (b % a == 0){

**return** a;}

**return** gcd(a, b - a);

}

A screenshot of a computer

Description automatically generated