// =======================

// Included: GCD Extra Credit

// =======================

// Extra Credit #1 part2

// =======================

// Christian Falucho

// CMPR 121

// =======================

#include <iostream>

using namespace std;

/\*================ FUNCTION PROTOTYPE ===================\*/

int gcd(int, int);

/\*================ FUNCTION PROTOTYPE ===================\*/

/\*

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=== MAIN FUNCTION BEGINS ===

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\*/

int main(){

int num1 = 0;

int num2 = 0;

int result = 0;

cout << "Enter two positive numbers and I will find the largest divisor for it.\n";

cout << "Enter number 1: ";

cin >> num1;

cout << "Enter number 2: ";

cin >> num2;

result = gcd(num1, num2);

cout << endl;

cout << "The greatest common divosor of " << num1 << " and " << num2 << " is "

<< result << "." << endl;

return 0;

}

/\*

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=== MAIN FUNCTION ENDS ===

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/\*

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=== CODE OUTPUT ===

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\*/

A black screen with white text

AI-generated content may be incorrect.

/\*

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=== CODE OUTPUT ===

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=== HELPER FUNCTION BEGINS ===

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int gcd(int x, int y){

// base case

// GCD of x and y is y

// if x and y = zero

if (x % y == 0)

{

return y;

}

else{

return gcd (y, x % y);

}

}

/\*

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=== HELPER FUNCTION BEGINS ===

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