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**Homework6\_3**

**Code :**

#include <iostream>

using namespace std;

/\*\*

\* @brief Using Euclid’s algorithm, replace the stub function written for Exercise 9

\* with an actual function that determines and returns the GCD of its two integer arguments.

\*/

int gcd(int a, int b)

{

// Recursive function

return b == 0 ? a : gcd(b, a % b);

}

int main()

{

int a = 0, b = 0;

cout << "Please enter the two numbers: ";

cin >> a >> b;

cout << "GCD of " << a << " and " << b << " is " << gcd(a, b);

return 0;

}

//This code is created by Hanlin Cai

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