1. Write a function to find the greatest common divisor (GCD) of two numbers. The function should return the GCD of a and b.

#include <iostream>

using namespace std;

int gcd(int a, int b) {

while (b != 0) {

int temp = b;

b = a % b;

a = temp;

}

return a;

}

int main() {

int num1, num2;

cout << "Enter two numbers: ";

cin >> num1 >> num2;

cout << "GCD of " << num1 << " and " << num2 << " is " << gcd(num1, num2) << endl;

}

ouput

