import java.util.Scanner;

public class HCFAndLCM {

 // Function to calculate HCF using the Euclidean algorithm

 public static int calculateHCF(int a, int b) {

 while (b != 0) {

 int temp = b;

 b = a % b;

 a = temp;

 }

 return a;

 }

 // Function to calculate LCM

 public static int calculateLCM(int a, int b, int hcf) {

 return (a \* b) / hcf;

 }

 public static void main(String[] args) {

 // Create a Scanner object to read input

 Scanner scanner = new Scanner(System.in);

 // Prompt the user to enter two numbers

 System.out.print("Enter the first number: ");

 int num1 = scanner.nextInt(); // Read the first number

 System.out.print("Enter the second number: ");

 int num2 = scanner.nextInt(); // Read the second number

 // Calculate HCF

 int hcf = calculateHCF(num1, num2);

 // Calculate LCM

 int lcm = calculateLCM(num1, num2, hcf);

 // Display results

 System.out.println("HCF of " + num1 + " and " + num2 + " is: " + hcf);

 System.out.println("LCM of " + num1 + " and " + num2 + " is: " + lcm);

 // Close the scanner to prevent resource leaks

 scanner.close();

 }

}