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();

}

}