

Lab Goal : This lab was designed to teach you more about recursion.

Lab Description : Write a program that takes in 2 numbers and recursively determines the greatest common factor shared between the 2 numbers.

Example :: 9 and 6 have the GCF of 3.

Sample Data :

16 256
1000 2000
1254 2546
214 356
90 99
21 28
55 5
315 211

Files Needed ::

GCF.java
Lab09a.java

Sample Output :

GCF(16,256) ----- 16
GCF(1000,2000) ----- 1000
GCF(1254,2546) ----- 38
GCF(214,356) ----- 2
GCF(90,99) ----- 9
GCF(21,28) ----- 7
GCF(55,5) ----- 5
GCF(315,211) ----- 1

algorithm help

get the remainder of one % two
if remainder is 0
 return two;
else
 return gcf(two,remainder);