

Due date: 10-07-2015 (Wed.), 2pm

Submission: C source file, **daily14.c**, on Blackboard

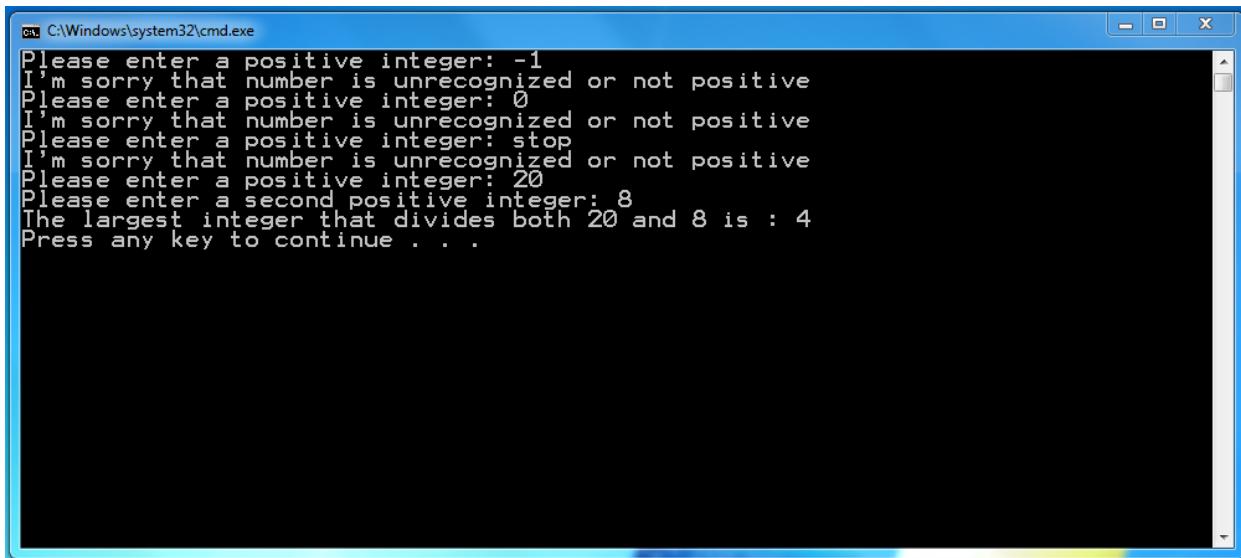
Description:

Create a project called Daily14. Add a C source file to the project named daily14.c.

Write a program that asks the user for a positive integer (greater than zero). Verify that you have received a valid number and trap the user if they have not given a valid input value. Ask the user for another positive integer and verify this one also. Notice that the operation of getting a positive integer is the same in both cases. Try to use a single function for this task that returns the positive integer that the user types in. You can simply call the function twice to get the values that you need. Once you have two positive integers use a function to compute the largest integer that evenly divides both of the input values. Print this result on the screen.

Your function should compute this value by starting at the smaller of the two values and counting down by one until you find a number (the number 1 will always do it) that evenly divides both of the original numbers. For example if you enter the number 8 and 4 your function will return 4 because 4 goes into 4 one time and into 8 two times. Call this function and output the result on the screen.

Your program output should look something like the following:



```
cmd C:\Windows\system32\cmd.exe
Please enter a positive integer: -1
I'm sorry that number is unrecognized or not positive
Please enter a positive integer: 0
I'm sorry that number is unrecognized or not positive
Please enter a positive integer: stop
I'm sorry that number is unrecognized or not positive
Please enter a positive integer: 20
Please enter a second positive integer: 8
The largest integer that divides both 20 and 8 is : 4
Press any key to continue . . .
```

At the top of your program you should have a comment section that follows the below format:

```
*****
Author: <insert your name>
Date: <insert today's date>
```

Purpose: <Insert a short description of what your program does here.>

Time Spent: <Insert how much time you spent on the assignment here>

Happy coding! Let me know if you have any questions.