COMP110 Introduction to Computer Programming Using MatLab
Homework #4

Due date: March 14, 2018, Wednesday, 23:59

Pairs that have common divisors

Write a MATLAB program that does the following jobs:

1. Get two whole numbers (*a* and *b*) greater than 1. If any of the numbers do not satisfy the criteria, display a warning message and stop the program.

2. For all pairs of numbers between [*a*...*b*] (both inclusive) find all positive common divisors greater than 1 and display them as in the sample output below.

Your program's output should look like this:

```
Enter a:  4.5
Enter b:  50
You must provide whole numbers greater than 1.

>>
```

```
Enter a:  10
Enter b:  4
4 and 6 are divisible by 2.
4 and 8 are divisible by 2.
4 and 8 are divisible by 4.
4 and 10 are divisible by 2.
5 and 10 are divisible by 5.
6 and 8 are divisible by 2.
6 and 9 are divisible by 3.
6 and 10 are divisible by 2.
8 and 10 are divisible by 2.

>>
```

Make your program as structured as possible. Apply proper indentations. Never use BREAK, CONTINUE or RETURN.

Name your MatLab m-file as h04*yourlastname*.m and then upload it to Blackboard Learn at http://ku.blackboard.com. Anyone *e-mailing* his/her homework will lose points!

> ***While doing all your homework assignments, remember that:***
> *   ***You should not work together,***
> *   ***You should not give or take any files,***
> *   ***You should not give or take help other than simple verbal hints.***