Lab 5 – Functions and Primes

SUBMIT original code in Python to solve the problem below.

Please be aware that copying and pasting code from any other source other than code you have explicitly written on your own is considered plagiarism. If you receive help, that is fine (document help in the comments of your code) however you need to write your own code, name your own variables, and comment your own code. Students turning in the exact same work as another student will all be given zeros. Plagiarism is not tolerated, and students found to be plagiarizing will be given a zero and reported to the University with the possibility of termination of the class and degree program.

In mathematics, a prime number is a number that is only evenly divisible by itself and 1. Write a program that will prompt the user for a starting number and an ending number, and will print all the prime numbers between the starting number and ending number ***inclusively***.

Hint: It might help to write an *is_prime* function that accepts one number and returns true if the number is prime and false if the number is not prime.

Save your program as Lab5.py and upload your source file to the appropriate dropbox in GradeScope, ***NOT D2L!***

Input Example

Starting Number: ***1***
Ending Number: ***37***

Output Example

1
2
3
5
7
11
13
17
19
23
29
31
37

REMEMBER

- Include the comment heading at the top of your code.
  - `# Program Name: Lab1.py (use the name the program is saved as)`
  - `# Course: IT1114/Section XXX`
  - `# Student Name: John Doe`
  - `# Assignment Number: Lab#`
  - `# Due Date: xx/xx/ 20XX`
  - `# Purpose: What does the program do (in a few sentences)?`
  - `# List specific resources used to complete the assignment.`

- Place comments within your code explaining the programming segments