CSCI3240 Lab 10:

Concurrent Programming

Please check the following link before you start:

- *https://elearn.mtsu.edu/d2l/le/content/10054355/viewContent/101745304/View*

1. Write a concurrent program "lab10Problem1.c" that calculates various statistical values for a list of numbers using fork system call. This program will be passed a series of numbers on the command line and will then create three separate process. One process will determine the average of the numbers, the second will determine the maximum value, and the third will determine the minimum value. For example, suppose your program is passed the integers:

        10, 30, 20, 12, 64, 33, 9, 21, 23, 15

    The program will report:

    The average value is 23.70

    The minimum value is 9

    The maximum value is 64

    Submission Instructions:
    - Upload a zip file: "**lab10.zip**" to Lab10 Dropbox in D2L. It should include:
        - lab10Problem1.c
    - **Submission Due:** Check Lab10 Dropbox

    Rubrics (Total 50 points):

Criteria	Points
No submission or source code is missing	-50
The program does not take the list of number as a command line argument:	-20
The avg, min, max calculation is not correct.	-10 each
Fork system call not used	-50

2. [50 points] Please attempt the "**Lab10_PartB_Quiz**" quiz in D2L.