LAB #6

Write a working C program that will do the following:

1. Include comments at the beginning of the program as shown below:

/\*

program: lab6.c

author: firstName, lastName date: today's date purpose: using for loop

\*/

# PART I

1. Program will create and display a table of Celsius and Fahrenheit degrees using “**for**” loop. It begins at 0oC and proceeds to 100oC in 20oC increments. The equation converting degrees Celsius to degrees Fahrenheit is:

where

# F = 9 / 5 x C + 32

C – degrees Celsius

F – degrees Fahrenheit

The output should be as follows:

|  |  |
| --- | --- |
| Table of Celsius and Fahrenheit degrees | |
| Degrees Celsius | Degrees Fahrenheit |
| 0.00 | 32.00 |
| 20.00 | …. (calculated value to be displayed here) |
| 40.00 | …. (calculated value to be displayed here) |
| 60.00 | …. (calculated value to be displayed here) |
| 80.00 | …. (calculated value to be displayed here) |
| 100.00 | …. (calculated value to be displayed here) |

# PART II

1. Program will then compute the sum of all **odd** numbers between 1 and a number entered by the user using “**for**” loop. The result is displayed on the screen.
2. Show your work to instructor.
3. Save program as **lab6.c** and submit it on the Blackboard.