

PRG 155 -Programming Fundamentals Using C

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

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

$$F = 9 / 5 \times C + 32$$

where

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 her
40.00 (calculated value to be displayed her
60.00 (calculated value to be displayed her
80.00 (calculated value to be displayed her
100.00 (calculated value to be displayed her

PART II

3. 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.
4. Show your work to instructor.
5. Save program as **lab6.c** and submit it on the Blackboard.