CIS 165

Homework

due Tuesday 11/28/2023

1. For the following program:
2. determine the total number of items displayed as well as the first and last number printed. **21 items displayed, first number 0, last number 20**
3. How would the output be affected if the two statements in the while loop were reversed (that is, what happens if you place n = n+ 1 before the cout statement)?

**21 items displayed, first number 1, last number 21**

1. Write a while loop that displays the numbers from 10 to 20 on a single line

**while (num >= 10 && num <=20)**

**{**

**num++;**

**cout << num << " ";**

**}**

1. Write a while loop that displays only the even numbers from 10 to 20 on a single line.

**while (num >= 10 && num <=20)**

**{**

**num+=2;**

**cout << num << " ";**

**}**

1. Calories Burned program:

Running on a particular treadmill you burn 3.9 calories per minute. Write a program that asks the user how many minutes he/she has been on the treadmill. Calculate and display the number of calories burned. Use a while loop so that the person can enter additional times. Control the loop by asking the user to enter y or n.

**See the “calories.cpp” file**

Send it as a dev C++ file (or other compiler) so that I can run it.

Extra Credit: Rewrite the program so that the loop is controlled by entering a dummy value (you will have to make up what that value will be).

**See the “extracalories.cpp” file**