Lab 03 - Boolean Problems & Function Definitions

Direction: Submit your typed work(s) as an upload(s) to the Labs directory of your GitHub repository or Dropbox, or in your correct Lab03 google classroom assignment. Each part should be a separate files. The files named should be "lab3A.txt" and "lab3B.cpp" respectively.

Part A: In class

Your objective is to write the boolean expressions that are d	described below. Assume the	at the variables in the descriptions
are already initialized.		

	Write an expression that determines if two integers, a and b , are consecutive numbers.
	Write an expression that determines if a day, dy , fell on a Thursday in the month of October 2020 (the first Thursday is on the 8th).
	Write an expression that determines if an integer, n , is a negative four digit number.
	Write an expression that determines if a string, wd , equals "so" ignoring case.
	B: Take home objective is to write a complete cpp program that defines the following functions and calls them in the main
function	on.
	A double function named Perimeter() that takes two double parameter named lh and wh . It returns the perimeter of a rectangle whose length and width are equal to lh and wh respectively.
	A void function named Distance() that takes two double parameters and a double reference parameter named a , b and r respectively. It assigns the distance between a and b to r .
	A string function named Arrangements() that takes three char parameters named a , b and c respectively. It

returns a string of all of the three letter strings of the parameters with each arrangement separated by a space.