Intro to C++

Computer Programming 2 Mrs. Alano

Exercise 1 – MaxValues.cpp

Write a program that declares variables named maxInt, minInt, maxChar, minChar, maxDouble, and minDouble with the appropriate data types. Initialize each variable appropriately to the maximum or minimum possible value allowed by your compiler using any available defined constants in header files such as limits.h and float.h. Do not use assignment statements to set their values. Then, use appropriate output messages to display each variable's numerical value on individual lines of output. For example,

The value of maxInt is 2147483647.

(Notice the period at the end of the sentence.) You must force the char variables to display as numerical values and not characters.

Exercise 2 – Pizza.cpp

Suppose you are organizing a pizza party and will give every person who attends exactly 3 slices of pizza. Write a program that accepts a number of people and then computes the minimum number of pizzas that must be ordered assuming there are 8 slices per pizza. Your program must then display the number of slices that will be left over. The program must use clear, explanatory input and output prompts. It must also use data types and constants appropriately.

Preconditions:
You are guaranteed that the user will input positive integers greater than 0 but less than INT_MAX.