COP2221 – Intermediate C++ Programming
Module #4 Assignment One
10 points

This assignment refers to **Learning Outcome #2: Create and utilize arrays to store lists of related data**

Programming Problem

This programming problem is designed to give you practice with **basic array manipulation** strategies.

Your program should declare and initialize an array of doubles, called **weights**. The array will hold the weight of 10 cats. Set up the array (**no user input**) using the array **initialization** syntax demonstrated in Section 7.4 of the text. Use these data values for the weights: 13, 9.5, 8, 14, 21, 12, 16, 15.2, 11.8, 20. (Check your initialization data carefully.) **NOTE**: there will be **no** duplicate values.

Your program should calculate and display (labeled and formatted to 1 decimal place):
- the sum of all weights
- the average of the weights
- the highest weight in the array
- the lowest weight in the array

I know this isn't too exciting but you need to be able to program (and understand) **basic array manipulation**.

This assignment requires a minimal use of functions:
- Create a welcome function
- Do all other work in function main()
- End with a "good bye" function

No design document is required.