Chapter 7:

FYI - The code for this assignment is also used in other assignments.

Write a program that randomly generates the total rainfall for each of 12 months (starting with January) into an array.  Reference textbook Program 3-25 on random generation.  Use a constant =5 (integer) as the maximum random. The program should calculate and display (in this order):

* the total rainfall for the year,
* the average monthly rainfall,
* and the months with the highest and lowest amounts.

Months should be expressed as English names for months in the Gregorian calendar, i.e.: January, February, March, April, May, June, July, August, September, October, November, December.

**Create separate functions as follows:**

* **generate rainfall**
* **calculate total rainfall**
* **calculate average rainfall**
* **locate the position of min rainfall**
* **locate the position of  max rainfall**
* **display results**

**If you do not use functions and arrays you will get a zero (0) grade.   
If you prompt the user for the rainfall instead of using the random generator it will also result in a zero grade.  
The random generation must appear only once inside your code. Multiple instances will also result in zero grade.   
Create more functions than specified if needed.   
All functions must be prototyped (declared). No function code must appear above the main function just the function definitions.**

**No global declaration of any variables.  You must pass the arrays and the other information to the functions.  
No calculations inside the main function.**

**Read the requirements again.**

Make sure you initialize the random number generator using srand(time(0));  otherwise, you will always get the same results every time.  Reference Chapter 3.  -20% if you miss this instruction.

The expected output should resemble the following.

Before submitting make sure you used functions and arrays as instructed.

Multiple months must be separated by commas single months will not contain a comma.

Please submit the required files in accordance with the [General Homework Instructions.](https://sdccd.instructure.com/courses/2414265/pages/general-homework-instructions)