CSCI 2911
Programming Assignment 4
Snowfall

Aomori City, Tohoku , Japan
Aomori City is located in the Aomori Prefecture in the northeast region of Honshu. Embedded between
Aomori Bay, Mutsu Bay and the Hakkōda Mountains in the South, the city, which is home to more
than 299,000 people, is slammed with the heaviest annual snowfall in world. With an average of 312
inches, Aomori tops the list of major cities for snowfall worldwide. Japan's geographical location,
oceanic position, high elevations of the mountains and the country's proximity to cold air from
northeast Asia make it one of the snowiest locations on the planet.
(https://www.accuweather.com/en/weather-news/top-10-snowiest-major-cities-a/23760437)

The snowfall for 2017 is the following (slightly modified for this exercise):

Year	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec
2017	72	84	43	5	2	1	2	0	3	7	93	189

Write a program that stores the snowfall for each of 12 months into an array (not an ArrayList)
The program should have methods that return the following:
- The total snowfall for the entire year
- The average monthly snowfall
- The month with the most snow (note: the month, not the amount of snow)
- The month with the least snow (note: the month, not the amount of snow)
- The number of months that have snow above the average
- The number of months that have snow below the average.

Your program should output the following (prompts and actual values):

******* Aomori City, Tohoku , Japan******
*******2017 Snowfall Information********
Total snowfall:
Average snowfall:
Month that had the most snow:
Month that had the least snow:
Number of months above the average snowfall:
Number of months below the average snowfall:

Remember to include the preamble documentation at the top of your program (author, date, algorithm) and
appropriate comments throughout the program. Use Javadoc comments for each method.