descriptionProvided to you is a collection of “.data” files. These files contain ASCII text with numbers represented as strings separated by spaces. An example of such a file might be:

45.261 2543.31 3213.21 0.654 3612.1

Write a C# console program that reads in all files with file name ending in “.data” and prints out statistical information about each file: sum, min, max, average, standard deviation. Provide all C# files you wrote needed to build and run your program.

* Your program will be tested against a larger set of files than the example collection originally provided to you.
* The “.data” files are not guaranteed to be formatted correctly. Print out any relevant error information in these cases.

Example output when three “.data” files are found:

filename1.data

Sum: 90334.16

Min: 8.934

Max: 5601.83

Average: 503.267

Standard Deviation: 244.23

filename2.data

Error reading file: unexpected character

filename3.data

Sum: 170532.45

Min: 6.38

Max: 23785.4375

Average: 329.215

Standard Deviation: 175.23