Name:

Please remember you must follow instructions exactly in this course. Failure to follow these instructions will result in a failing grade on this quiz.

Write a C program that reads a binary file containing the following data:

* the first two values are floats
* the next value is an unsigned char
* the next value is a double precision float
* the next N values are short integers where N is unknown (the file can be any size)

Sum the numbers that you read and print out the result using this format:

the sum of the values in <filename> is <value>

For example, if you process the attached test file correctly, the sum will be zero:

nedc\_000\_[1]: myprog.exe example.dat

the sum of the values in example.dat is 0

Your program should take the filename from argv[1] and should work for any size file (the N short integers can be any size). For the sake of expediency, you can assume N will never be larger than 99, so declare a short integer array of size 100. This will make writing this program a little easier.

Submit your result by a plain text email. Send me your source code as an attachment using a filename of lastname\_firstname\_qu07.cc, and include the result you obtained from running your code in the body of your email AS PLAIN TEXT.

Use Microsoft Excel to verify your answers. Attach the spreadsheet as a second attachment with a filename of lastname\_firstname\_qu07.xlsx.

Deviations from these requirements will be heavily penalized.