CSE3221 2012-12S Assignment 1	
Some notes on output/files:	Testing "prs f1 f2":
1. Where appropriate files/output are shown between dashed lines, e.g.	Correct program standard error: none
output/file goes here	Tested program standard error: none
Where the correct answer is given, the correct standard output is meant to be exact (but the number of decimal places doesn't matter).	Correct program standard output: 7.500000
Only a single number should be output. Anything else is extraneous.	Tested program standard output:
The "correct" standard error is just an indication of an appropriate error message.	7.500000
3. Here are the files (f1 - f7) used in testing.	Testing "prs f1 f1 f1 f1 f2 f2 f2 f2 f2 f2":
Files f1 - f4 are well-formed input files. Files f5 - f7 are unexpected in that they either	Correct program standard error: none
contain no tokens or contain some non-numeric data.	Tested program standard error: none
f1 (5 numbers. mean is 5.0) 1.1 2.2 3.3 4.4 14.0	Correct program standard output: 7.500000
f2 (5 numbers. mean is 10.0)	Tested program standard output:
6.1 7.2 8.3 9.4 19.0	7.500000
f3 (50,000 numbers. mean is 5.0)	Testing "prs f3 f3 f3 f3 f3 f4 f4 f4 f4 f4":
This has 10,000 lines, each like the line in f1 1.1 2.2 3.3 4.4 14.0	Correct program standard error: none
9,999 identical lines	Tested program standard error: none
f4 (50,000 numbers. mean is 10.0)	Correct program standard output:
This has 10,000 lines, each like the line in f2.	7.500000
6.1 7.2 8.3 9.4 19.0 9,999 identical lines	Tested program standard output:
	7.500000
f5 (empty file: no bytes)	
f6 (whitespace - blanks and tabs - only)	Testing process.c unusual input/args
f7 (contains some non-numeric characters)	The following tests are with unexpected input. Where there are no files on the command line, there
1.1 2.2 3.3 4.4NonNumeric 14.0	should be a usage message written to standard error, not standard output.
Testing process.c	No number/mean should be output.
Compiling with "cc -Wall -o prs process.c" produced following message(s) to standard error (any	Where there are no tokens read (f5 and f6) the result should be either - silent return (no output)
such messages should have been dealt with):	or - a message to standard error (not
process.c: In function `main': process.c:22: warning: implicit declaration of function	standard output).
`exit' process.c:73: warning: suggest parentheses around assignment used as truth value	There should be no number output. The mean of no numbers is not 0 any more than it is -1 or 99.
process.c:110: warning: implicit declaration of function `wait' process.c:28: warning: unused variable `fsp'	Where there is non-numeric tokens in the file (f7), there should be no output to standard output. An error message should be written to standard error.
	Testing "prs ":
Testing "prs f1":	Correct program standard error:
Correct program standard error: none	Usage: prs <file1> <file2></file2></file1>
Tested program standard error: none	Tosted program standard organi
Correct program standard output:	Tested program standard error: usage: prs <filename1> <filename2></filename2></filename1>
5.000000	usage, pro \menamer/ \menamez/
Tested program standard output:	Correct program standard output: none

5.000000

Testing "prs f5":
Correct program standard error: none
Tested program standard error: none
Correct program standard output: none
Tested program standard output:
0.000000
Testing "prs f6":
Correct program standard error: none
Tested program standard error: none
Correct program standard output: none
Tested program standard output:
0.000000
Testing "prs f7":
Correct program standard error:
Child 1. Error reading file "f7" Some child had non-zero exit. Parent aborting.
Tested program standard error:
error in file: f7
Correct program standard output: none
Tested program standard output:
2.750000
Testing thread.c
Compiling with "cc -Wall -o thr thread.c -lpthread" produced following message(s) to standard error (ar such messages should have been dealt with):
thread.c: In function `main': thread.c:30: warning: implicit declaration of functior `exit'
thread.c:36: warning: implicit declaration of functior 'malloc'
thread.c:72: warning: implicit declaration of function `free'
thread.c: In function `calc_mean': thread.c:84: warning: suggest parentheses around assignment used as truth value
Testing "thr f1":
Correct program standard error: none
Tested program standard error: none
Correct program standard output:
5.000000
Tested program standard output:
5.000000
Testing "thr f1 f2":
Correct program standard error: none
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Tested program standard error: none

Correct program standard output:

Tested program standard output: none

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7.500000
                                                        0.000000
Tested program standard output:
                                                        Testing "thr f6":
7.500000
                                                        Correct program standard error: none
                                                        Tested program standard error: none
Testing "thr f1 f1 f1 f1 f1 f2 f2 f2 f2 f2":
                                                        Correct program standard output: none
Correct program standard error: none
                                                        Tested program standard output:
Tested program standard error: none
                                                        0.000000
Correct program standard output:
7.500000
                                                        Testing "thr f7":
                                                        Correct program standard error:
Tested program standard output:
                                                        Child 1. Error reading file "f7"
7.500000
                                                        Some child had non-zero exit. Parent aborting.
Testing "thr f3 f3 f3 f3 f4 f4 f4 f4 f4":
                                                        Tested program standard error:
                                                        error in file: f7
Correct program standard error: none
Tested program standard error: none
                                                        Correct program standard output: none
Correct program standard output:
                                                        Tested program standard output:
7.500000
                                                        2.750000
Tested program standard output:
                                                        COMMENTS
7.500000
                                                        compiler warnings
                                                        incorrect output f5, f6, f7
                                                        process - sequential execution
Testing thread.c unusual input/args
The following tests are with unexpected input.
Where there are no files on the command line, there
should be a usage message written to standard error,
not standard output.
No number/mean should be output.
Where there are no tokens read (f5 and f6) the result
should be either
             - silent return (no output)
             - a message to standard error (not
standard output).
There should be no number output. The mean of no
numbers is not 0 any more than it is -1 or 99.
Where there is non-numeric tokens in the file (f7), there
should be no output to standard output. An error
message should be written to standard error.
Testing "thr ":
Correct program standard error:
Usage: thr <file1> <file2> ...
Tested program standard error:
usage: thr <filename1> <filename2> ...
Correct program standard output: none
Tested program standard output: none
Testing "thr f5":
Correct program standard error: none
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Tested program standard error: none

Tested program standard output:

Correct program standard output: none