

ENGR142 Grade Report: Programming HW 02

Name: Kathryn Atherton	Total Points Earned	35
Team: 45	Total Points Possible	44
Grader: Peter Jones	Percentage Earned	79.55%

Grading System Message(s)

Individual Assignment Grade

	Pass	Part	Fail
Does flow diagram:			
Have correct filename?	0	NA	0.5
Have a detailed and accurate description of the problem?	2	1	0
Develop an appropriate model for solving the problem?	2	1	0
Correctly use the flow chart to illustrate the algorithm	2	1	0
Contain an algorithm that is logical and solves the given problem?	2	1	0
Correctly use a step by step example to demonstrate the execution of the algorithm.	2	1	0
Subtotal	10.0	of	10

	Pass	Part	Fail
Does program:			
Have correct filename?	0	NA	0.5
Ask for data file name as only input?	1	NA	0
Terminate if input file does not exist?	1	0.5	0
Open file?	0.5	NA	0
Extract header information from file?	2	1	0
Extract all bottle data from file?	1	1.5	0
Calculate measures of central tendency in separate function?	3	1	0
Calculate measures of variation in separate function?	1	0.5	0
Output filter station ID, date and time info, batch number, number of samples, measures of central tendency and variation?	3	1.5	0
Output appropriate message if the mean is outside of tolerances?	1	0.5	0
Output appropriate message if more than 10% of bottles have less than 8oz?	1	NA	0
Output barcode information and volume deviation for samples that exceed the volume tolerances?	2	1	0
Close file?	0.5	NA	0
Subtotal	15.0	of	19

Test Case 1

Input	Output	Pass	Part	Fail
test1	Batch: 3 Samples: 15 Sample collected on 28-FEB-2003 at 15:15:15 Data collected for station 0A3A Barcodes and deviations of offending samples: 0A3A0001 -0.00759 0A3A0002 -0.12115 0A3A0012 -0.10612 Found 3 bottles outside max range of +/- 0.1 oz. 0 bottles under Box (0.0E+0 percent) Statistical data: Maximum= 0.12115 oz Minimum= -0.00419 oz Mean= -0.05455 oz Median= -0.05425oz Found 1 mode(s) with 3 instances: -0.06815 oz Sample standard deviation= 0.03537 oz Data indicates machine requires re-calibration.	1	0.5	0

Test Case 2

Input	Output	Pass	Part	Fail
test2	Batch: 6 Samples: 90 Sample collected on 06-MAR-2003 at 10:30:00 Data collected for station 0A6A Barcodes and deviations of offending samples: 0A6A0010 -0.11753 0A6A0015 -0.11716 0A6A0031 -0.12115 0A6A0036 -0.11672 0A6A0041 -0.11498 0A6A0055 -0.11258 0A6A0068 -0.11295 0A6A0070 -0.11816 0A6A0090 -0.12115 Found 9 bottles outside max range of +/- 0.1 oz. 0 bottles under Box (0.0E+0 percent) Statistical data: Maximum= 0.12115 oz Minimum= -0.00419 oz Mean= -0.06190 oz Median= -0.06783oz Found 1 mode(s) with 30 instances: -0.08296 oz Sample standard deviation= 0.03050 oz Data indicates machine requires re-calibration.	1	0.5	0

Test Case 3

Input	Output	Pass	Part	Fail
test3	Batch: 50 Samples: 23 Sample collected on 02-MAR-2008 at 11:42:00 Data collected for station 0A1B Barcodes and deviations of offending samples: 0A1B0008 -0.22828 0A1B0012 -0.13787 0A1B0015 -0.10563 0A1B0018 -0.11067 Found 4 bottles outside max range of +/- 0.1 oz. Machine needs recalibration: 39.13 % of the bottles are under Box Statistical data: Maximum = -0.2283 oz Minimum = -1.1979 oz Mean= -0.00315 oz Median= -0.0036 oz Found 3 mode(s) with 2 instances: -0.0574 oz -0.0838 oz Sample standard deviation= 0.0813oz Data indicates machine requires re-calibration.	1	0.5	0

Test Case 4

Input	Output	Pass	Part	Fail
test4	Batch: 3 Samples: 20 Sample collected on 27-FEB-2008 at 21:29:00 Data collected for station 0C3D Barcodes and deviations of offending samples: 0C3D0019 -0.22828 0C3D0024 -0.13787 0C3D0031 -0.11067 Found 3 bottles outside max range of +/- 0.1 oz. Machine needs recalibration: 40.00 % of the bottles are under Box Statistical data: Maximum = -0.2283oz Minimum = -0.1379 oz Mean= -0.00310 oz Median= -0.0038 oz Found 1 mode(s) with 2 instances: -0.0836oz Sample standard deviation= 0.0831oz Data indicates machine requires re-calibration.	1	0.5	0

Test Case 5

Input	Output	Pass	Part	Fail
test5	Fatal error: File does not exist.	1	NA	0
Subtotal	-	-	of	5

Does team reflection:

	Pass	Part	Fail
Have correct filename?	0	NA	0.5
Appear in individual's reflection?	1	NA	0
Discuss positive and negative aspects of each programming language?	3	1.5	0
Discuss suitability of particular languages?	2	1	0

Does individual reflection:

	Pass	Part	Fail
Contain short bulleted list of constructs they have and have not mastered?	2	1	0
Have correct formatting and length?	2	1	0
Subtotal	10.0	of	10

Total

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Grader Comments

I don't think the data was read into the file correctly which threw off everything else