

CS 210 Introduction to Programming
Java Programming Assignment 8 Rubric
Files, Exceptions, and Java Arrays

Java Program:				
Rating Category	Exemplary	Partially Proficient	Basic (needs work)	Not Demonstrated
Documentation	Top of file comments and comments above each method are complete, per coding standards.	A few minor errors in documentation.	Many errors in documentation or did not follow the coding standards for documentation.	No comments in program.
Doc Pts	8	7 - 5	4 - 1	0
main method	Correct description display, reading filename, object creation, and calls to instance methods and looping.	A couple of minor errors in main.	Many errors in main.	None of the code in main works.
main/data Pts	9	8 - 6	5 - 1	0
class definition for objects	Class correctly defined, with all required data fields, constructor, and getters.	A couple of minor errors in object class definition.	Many errors in object class definition.	The object class was not defined.
Object class Pts	5	4 - 3	2 - 1	0
class definition for object array implementation	Class correctly defined, with all required data fields and specified constructor.	A couple of minor errors in object array implementation class definition.	Many errors in object array implementation class definition.	The object array implementation class was not defined. All functionality was implemented in the class containing main .
Impl class Pts	8	7 - 5	4 - 1	0
instance methods to add object to array	Correctly defined and called method. Adds objects to array correctly, and throws <code>ArrayIndexOutOfBoundsException</code> exceptions when necessary.	A couple of minor errors in method definition or calls.	Many errors in method definition or calls.	Method not defined. All work performed from other methods, or not implemented at all.
add amount Pts	8	7 - 5	4 - 1	0
instance method: Program Input (Reading and Processing)	If file opened, all data correctly read and stored. Catches <code>ArrayIndexOutOfBoundsException</code> and <code>FileNotFoundException</code> exceptions, as specified. File closed immediately after use, and valid number of items read is displayed. Returns boolean indicating if file read.	A couple of minor errors in method definition.	Many or major errors in method definition.	Method not defined. All work performed from another method, or no file input is read.
File Input Points	10	9 - 7	6 - 3	2 - 0
instance methods to calculate fines	Correctly defined and called method. Method calculates correct values for the given file input.	A couple of minor errors in method definition, call, or calculation of fines.	Many errors in method definition, call, or calculation of fines.	Method not defined. All work performed from other methods, or not implemented at all.
calculation Pts	10	9 - 7	6 - 3	2 - 0
Instance method for fines report	Correctly defines and calls instance method to create fines report file as specified. If file not opened, catches <code>FileNotFoundException</code> error. If opened, file closed immediately after use.	A couple of minor errors in method code.	Many or major errors in method code.	Method not defined. All output is produced from another method, or no file output is produced.
File Output Points	10	9 - 7	6 - 3	2 - 0
static methods to calculate low, avg, and high	Correctly defined and called all three methods. Each method calculates/finds and returns correct values for given file input.	A couple of minor errors in method definitions, calls, or calculations.	Many errors in method definitions, calls, or calculations.	Methods not defined. All work performed from other methods, or not implemented at all.
low, avg, high Pts	10	9 - 7	6 - 3	2 - 0
static methods to display summary	Correctly defined and called method. Method correctly calls other static methods and correctly displays values.	A couple of minor errors in method definition, call, or code within method to call others and display values.	Many errors in method definition, call, or code within method to call others and display values.	Method not defined. All work performed from other methods, or not implemented at all.
summary Pts	8	7 - 6	5 - 2	1 - 0
Java Constructs / Readability / Miscellaneous	Code follows all CS210 coding standards. Demonstrates understanding of program structure. Code is organized and easy to follow, with no issues, and there is no unnecessary code.	Code is fairly easy to read, but there are some spacing, indentation, and/or other minor issues, or extraneous code. Or did not follow some of the CS210 coding standards.	Code is difficult to read OR has other major issues. Or did not follow most of the CS210 coding standards.	The code is unreadable.
Construct/Misc Pts	8	7 - 5	4 - 1	0
Testing	Test data files submitted. Running all test data files with this program insures complete validation of the program code.	Missing a couple of necessary tests in test data files.	Missing many necessary tests in test data files, or missing some of the test data files.	No test data files submitted.
Testing Pts	6	5 - 4	3 - 1	0
Java Program Subtotal (any late points deducted will be based upon this subtotal)				
Deductions				
Compilation	Code compiles correctly.			Code does not compile without errors.
Compilation Pts	0			- 100% (unacceptable)
Delivery	Submitted on time	Submitted 1 day late		Not submitted within 1 day of due date
Late Deductions	0	-2%		-100% (no credit)
Points Total	100			