

CS 210 Introduction to Programming
Java Programming Assignment 4 Rubric
Objects and Instance Methods

Java Program:				
Rating Category	Exemplary	Partially Proficient	Basic (needs work)	Not Demonstrated
Documentation	Top of file comments include: clear and complete class description & tags with student name and version. Comments above each method describe the method and list parameters and return value (if any), per coding standards.	A few minor errors in documentation with incomplete descriptions or missing one or two tags.	Many errors in documentation or did not follow the coding standards for documentation.	No comments in program.
Doc Pts	10	9 - 7	6 - 1	0
Data Storage Points	Creates all necessary local constants and variables. Creates object correctly.	Minor errors in: data typing, assignments, identifier names, object definition or instantiation, or following coding standards.	Major errors in: data typing, assignments, identifier names, object definition or instantiation, or following coding standards.	No data stored.
Data Storage Pts	8	7 - 6	5 - 1	0
new class data field definitions	New class definition includes all required data fields.	A few minor errors in new class data field definitions.	Many errors in new class data field definitions.	The new class was not defined. All functionality was implemented in the original class.
new class Pts	8	7 - 6	5 - 1	0
constructor definition	Constructor defined as specified.	A few minor errors in constructor definition.	Many errors in constructor definition.	Constructor was not defined.
constructor Pts	8	7 - 6	5 - 1	0
setter methods	All setter methods defined as specified. All calculations/string manipulations are correct, and produce correct values for the given inputs.	A few minor errors in setter definitions or calculations.	Many or major errors in setter definitions or calculations, or missing one of them.	No setters were defined.
setter Pts	10	9 - 7	6 - 1	0
getter methods	All getter methods defined as specified and called correctly.	A few minor errors in getter definitions or call.	Many or major errors in getter definitions, or missing one of them.	No getters were defined.
getter Pts	8	7 - 6	5 - 1	0
instance method 2	Instance method defined within new class as specified, with no parameters, and called correctly. Method calculates correct values for given input.	A few minor errors in instance method definition, calculations, or call.	Many or major errors in instance method definition, calculations, or call.	Instance method not defined. Functionality implemented in original class.
instance method 2 Pts	8	7 - 6	5 - 1	0
instance method 3	Instance method defined within new class as specified, with no parameters, and called correctly. Method calculates correct values for given input.	A few minor errors in instance method definition, calculations, or call.	Many or major errors in instance method definition, calculations, or call.	Instance method not defined. Functionality implemented in original class.
instance method 3 Pts	8	7 - 6	5 - 1	0
instance method 4	Instance method defined within new class as specified, with no parameters, and called correctly. Method calculates correct values for given input.	A few minor errors in instance method definition, calculations, or call.	Many or major errors in instance method definition, calculations, or call.	Instance method not defined. Functionality implemented in original class.
instance method 4 Pts	8	7 - 6	5 - 1	0
main method	main method implemented correctly, including reading input, and calling class and instance methods.	A few minor errors in main method	Many errors in main method	main method does not run at all.
main method Pts	8	7 - 6	5 - 1	0
display methods	Defined using object parameter and and called correctly. Calls instance methods and displays specified output. All calculations produce correct output for given input.	A few minor errors in method definitions, calculations, or calls.	Many or major errors in method definition, calculations, or call, or one or more method was not defined and actions performed from main.	Program did not produce any output.
calc/display Points	8	7 - 6	5 - 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	6	5 - 3	2 - 1	0
Java Program SubTotal (any late points deducted will be based upon this subtotal)				
Deductions				
Compilation	Code compiles correctly.	One or two minor errors prevents the code from compiling.	Multiple minor errors prevent the code from compiling.	One or more major errors or a multitude of minor errors prevent the code from compiling.
Compilation Pts	0	- 1 to 2 pts	- 3 to 5 pts	- 100% (unacceptable)
Delivery	Submitted on time	Submitted 1-2 days late (2% deducted per day late)	Submitted 3-5 days late (2% deducted per day late)	Not submitted within 5 days of due date
Late Deductions	0	-2% to -4%	-6% to -10%	-100% (no credit)
Points Grand Total	100			