

CS 210 Introduction to Programming
Java Programming Assignment 6 Rubric
Loops and Objects

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
Data Storage Points	All required constants (4) and necessary local variables defined	Minor errors in: data typing, assignments, identifier names, or following coding standards.	Many or major errors in: data typing, assignments, identifier names, or following coding standards.	No data stored.
Data Storage Pts	6	5 - 4	3 - 1	0
class definition for objects and constructor	Correctly defined all required data fields and constructor method.	Minor errors in definition of required data fields and/or constructor method.	Many or major errors in definition of required data fields and/or constructor method.	The object class was not defined. All functionality was implemented in the class containing main .
new class Pts	6	5 - 4	3 - 1	0
getter methods (decision)	Defined both getters correctly, including implementation of any necessary decisions.	Minor errors in definitions or calls of getters, or decision making.	Many or major errors in definitions or calls of getters, or decision making.	No getters were defined.
getter Pts	7	6 - 5	4 - 1	0
input method 1 (initial investment) w/loop	Correctly defined and called static methods that returns a value. Used descriptive prompts and a loop to read and validate user input as specified.	Minor errors in method definition, call, or reading and validating user input. Or hardcoded some constant values.	Many or major errors in method definition, call, or reading and validating user input.	Method not defined. Input read from main method, or not at all.
method pts	8	7 - 5	4 - 1	0
input method 2 (annual interest rate) w/loop	Correctly defined and called static methods that returns a value. Used descriptive prompts and a loop to read and validate user input as specified.	Minor errors in method definition, call, or reading and validating user input. Or hardcoded some constant values.	Many or major errors in method definition, call, or reading and validating user input.	Method not defined. Input read from main method, or not at all.
method pts	8	7 - 5	4 - 1	0
input method 3 (term) w/loop	Correctly defined and called static methods that returns a value. Used descriptive prompts and a loop to read and validate user input as specified.	Minor errors in method definition, call, or reading and validating user input. Or hardcoded some constant values.	Many or major errors in method definition, call, or reading and validating user input.	Method not defined. Input read from main method, or not at all.
method pts	8	7 - 5	4 - 1	0
input method 4 (compounding type) w/loop	Correctly defined and called static methods that returns a value. Displayed menu and used a loop to read and validate user input as specified.	Minor errors in method definition, call, or reading and validating user input.	Many or major errors in method definition, call, or reading and validating user input.	Method not defined. Input read from main method, or not at all.
method pts	10	9 - 6	5 - 1	0
calc investment return method w/loop	Correctly defined and called instance method. Method correctly makes decisions, loops, and computes correct values for the given object.	Minor errors in method definition, call, decisions, loop, and/or computations.	Many or major errors in method definition, call, decisions, loop, and/or computations.	Instance method not defined. Tasks were implemented another method, or not at all.
method Pts	14	13 - 11	10 - 1	0
display investment results	Correctly defined and called instance method. Method correctly displays all values, formatted as specified in the requirements.	Minor errors in method definition, call, an/or formatting and display of values.	Many or major errors in method definition, call, an/or formatting and display of values.	Instance method not defined. Tasks were implemented another method, or not at all.
method Pts	8	7 - 5	4 - 1	0
main Method w/loop	main method creates and uses objects as specified, displays correct output, and loops to repeat.	Minor errors in method.	Many or major errors in method.	main method does not run at all.
main method Pts	8	7 - 5	4 - 1	0
Java Constructs / Readability / Loop Types / Miscellaneous	Used for , while and do-while loops in program. 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 a few other minor issues, or extraneous code. Or did not follow some of the CS210 coding standards.	Missing one of the required loop types. And/or code has many minor or one major issues and/or code is difficult to read. Or did not follow most of the CS210 coding standards.	The code is unreadable.
Misc Pts	9	8 - 5	4 - 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 1-2 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)