

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	10	9 - 7	6 - 1	0
Data Storage Points	All required constants and necessary variables defined, including all specified (8) constants in methods.	A few minor errors in: data typing, assignments, identifier names, or following coding standards.	Many errors in: data typing, assignments, identifier names, or following coding standards.	No data stored.
Data Storage Pts	8	7 - 6	5 - 1	0
class definition for objects and getter	Class correctly defined, including all required data fields and getter method.	A minor error in class definition.	Many errors in class definition, or missing getter.	The object class was not defined. All functionality was implemented in the class containing main .
new class Pts	4	3	2 - 1	0
constructor methods	Correctly defined both constructors.	A few minor errors in definitions or calls.	Many errors in definitions or calls.	No constructors were defined.
constructor/getter Pts	10	9 - 7	6 - 1	0
input method 1 / 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.	A few minor errors in static method definitions, calls, or reading and validating user inputs.	Many or major errors in static method definitions, calls, or reading and validating user inputs.	Static methods not defined. Input read from main method, or not at all.
method pts	8	7 - 6	5 - 1	0
input method 2 / loop	Correctly defined and called static methods with parameters that returns a value. Used descriptive prompts and a boolean variable controlled loop to read and validate user input as specified.	A few minor errors in static method definitions, calls, parameter usage, or reading and validating user inputs.	Many or major errors in static method definitions, calls, parameter usage, or reading and validating user inputs.	Static methods not defined. Input read from main method, or not at all.
method pts	10	9 - 7	6 - 1	0
input method 3 / loop	Correctly defined and called static methods that return a value. Used menu and a loop to read and validate user inputs as specified.	A few minor errors in static method definitions, calls, menu, or reading and validating user inputs.	Many or major errors in static method definitions, calls, menu, or reading and validating user inputs.	Static methods not defined. Input read from main method, or not at all.
method pts	10	9 - 7	6 - 1	0
min payment method	Correctly defined and called instance method. Method correctly makes decision and computes correct value for all inputs.	A few minor errors in method definition, call, decisions, and/or computations.	Many errors in method definition, call, decisions, and/or computations.	Instance method not defined. Tasks were implemented another method, or not at all.
method Pts	6	5 - 3	2 - 1	0
make payment method	Correctly defined and called instance method. Method correctly displays values, makes decisions, and computes correct values for all inputs.	A few minor errors in method definition, call, display, decisions, or computations.	Many errors in method definition, call, display, decisions, or computations.	Instance method not defined. Tasks were implemented another method, or not at all.
method Pts	8	7 - 6	5 - 1	0
payoff method / loop	Displays payment type per month and headers. Calls make payment method and displays new values for each month. Returns correct number of months for all inputs.	One or two minor errors in method.	Many or major errors in method.	Instance method not defined. Tasks were implemented another method, or not at all.
method pts	10	9 - 7	6 - 1	0
main Method	main method creates and uses objects correctly, as specified, and displays correct output.	A few minor errors in method.	Many or major errors in method.	main method does not run at all.
main method Pts	8	7 - 6	5 - 1	0
Java Constructs / Readability / Loop Types / Miscellaneous	Used both 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 (while and do-while). 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	8	7 - 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.
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)