

	Proficient Evidence (3)	Sufficient Evidence (2)	Insufficient Evidence (1)	No Evidence(0)
Comments & Clarity	The code is effectively commented using whitespace where appropriate AND has clear naming conventions in a way that makes the code easy to read.	The code is effectively commented using whitespace where appropriate OR has clear naming conventions.	Few comments and/or poor naming conventions	No comments and difficult to read.
Loops & Selection Statements	The program contains either at least 1 nested selection statement and 1 loop OR at least 1 set of nested loops and 1 selection statements used in a meaningful way.	The program contains at least 1 selection statements AND at least 1 loop used in a meaningful way.	The program contains at least 1 selection statements OR 1 loop used in a meaningful way.	There are neither loops nor selection statements in the program.
I/O File	The program takes data from a file with multiple columns and parses the data to be used later in the program OR the program writes data to a file using multiple columns with a clear delimiter.	The program takes data from a file to be used later in the program OR the program writes data to a file using multiple columns without a clear delimiter.	The program takes data from a file which is never used in the program OR the program writes data to a file with a single column.	The program neither inputs from nor outputs to a file.
Collections	The program uses at least 3 distinct collection data types in a meaningful way.	The program uses at least 2 distinct collection data types in a meaningful way.	The program uses at least 1 collection data type.	The program did not use any collection data types.
Designing with Functions	At least three functions are used to organize code into logical segments. At least one of these functions is called multiple time in the program.	At least two functions are used in the program to organize code into logical segments.	At least one function is used in the program.	There are no functions in the program.
Designing with Classes	The program has at least one class that has at least 3 methods and at least 2 instance variables. Each method is used at least once in the program, and at least one method is used multiple times.	The program has at least one class that has at least 2 methods and at least 1 instance variable. Each method is used at least once in the program.	The program has at least one class, BUT either each class has one or fewer methods OR no methods are used in the program.	There are no classes in the program.

Grade as a percentage.

Rubric points earned	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
Equivalent grade percentage	100	95	91	88	85	82	79	76	73	70	67	64	60	50	40	30	20	10	0