Consumer Review Lab: Open-Ended Activity Scoring Guidelines and Notes

Skill	*Task*	*Scoring Criteria*	*Decision Rules*	*Score & Notes*
Row 1 **Code Implementation:** Write a program to satisfy method specifications using expressions, conditional statements, and iterative statements. **Emerging**	Program	A complete program with a `main` method was submitted.	**Do NOT award a point if any one of the following is true:** ▪ no program is submitted; or ▪ the program submitted does not contain a `main` method.	Student response earns this point: ☐Yes ☐No Comments:
Row 2 **Program Design and Algorithm Development:** Determine an appropriate program design to solve a problem or accomplish a task. **Emerging**	Response to Question 1	The written response: ▪ Explains why this program topic was selected.	**Do NOT award a point if any one of the following is true:** ▪ the explanation does not match the program submitted; or ▪ the response does not provide an explanation for the selection of the implemented program.	Student response earns this point: ☐Yes ☐No Comments:
Row 3 **Program Design and Algorithm Development:** Determine an appropriate program design to solve a problem or accomplish a task. **Emerging**	Response to Question 2	The written response: ▪ Describes the development process used to implement the provided program.	**Do NOT award a point if:** ▪ only one aspect of the process (such as brainstorming) is described.	Student response earns this point: ☐Yes ☐No Comments:

Skill (continued)	Task	Scoring Criteria	Decision Rules	Score & Notes
Row 4 **Code Implementation:** Write a program to satisfy method specifications using expressions, conditional statements, and iterative statements. **Emerging**	Response to Question 3	▪ Selected code segment contains a **complete** method header for a student created method that contains at least one parameter	**Do NOT award a point if any one of the following is true:** ▪ the access modifier for the method is not included; or ▪ the return type of the method is not included; or ▪ the method does not take a parameter, or the parameter is missing from the method header; or ▪ the method header is not complete or contains syntax errors.	Student response earns this point: ☐Yes ☐No Comments:
Row 5 **Program Design and Algorithm Development:** Determine an appropriate program design to solve a problem or accomplish a task. **Proficient**	Response to Question 3	Written response: ▪ Explains why the given parameters were chosen, including type **AND** ▪ Explains why the method was static or non-static	**Do NOT award a point if any one of the following is true:** ▪ the response does not discuss why the given parameters were chosen; or ▪ the type of parameter(s) discussed do not match those in the provided method header; or ▪ the response does not discuss why the given method was made static or non-static; or ▪ the explanation for why the method was made static or non-static does not match the provided method.	Student response earns this point: ☐Yes ☐No Comments:

Skill (continued)	Task	Scoring Criteria	Decision Rules	Score & Notes
Row 6 **Code Implementation:** Write program code to create objects and call methods. **Emerging**	Response to Question 4	▪ Selected code segment contains calls to two distinct methods in the `String` class.	**Do NOT award a point if any one of the following is true:** ▪ the code segment does not contain any calls to methods in the `String` class; or ▪ the code segment only contains calls to a single method in the `String` class; or ▪ calls to methods in the `String` class are not called with correct values or contain syntax errors	Student response earns this point: ☐Yes ☐No Comments:
Row 7 **Documentation:** Describe the behavior of a given segment of program code. **Proficient**	Response to Question 4	Written response: ▪ Describes what each method call is doing **AND** ▪ Describes what is being returned (if anything) by the method calls	**Do NOT award a point if any one of the following is true:** ▪ the description of the response does not match the code segment provided; or ▪ the description only describes what one of the method calls does; or ▪ the description does not describe what is being returned by the method calls in the context of the program.	Student response earns this point: ☐Yes ☐No Comments:

Skill (continued)	Task	Scoring Criteria	Decision Rules	Score & Notes
Row 8 **Code Implementation:** Write a program to satisfy method specifications using expressions, conditional statements, and iterative statements. **Emerging**	Response to Question 5	▪ Selected code segment contains nested conditional statements or compound Boolean expressions.	**Do NOT award a point if any one of the following is true:** ▪ the code segment does not contain nested conditional statements or compound Boolean expressions; or ▪ the code segment contains syntax errors.	Student response earns this point: ☐Yes ☐No Comments:
Row 9 **Documentation:** Describe the behavior of a given segment of program code. **Proficient**	Response to Question 5	Written response: ▪ Describes a different way the code could be written to achieve the same result	**Do NOT award a point if:** ▪ the description provided would not achieve the same result.	Student response earns this point: ☐Yes ☐No Comments:
Row 10 **Code Testing:** Determine if two or more code segments yield equivalent results. **Advanced**	Response to Question 5	Written response: ▪ Provides an equivalent code segment to the one included in the response	**Do NOT award a point if any one of the following is true:** ▪ the type of conditional in the equivalent code segment is the same type as the one provided (both nested conditional statements or both compound Boolean expressions); or ▪ the given code segment is not equivalent to the one provided.	Student response earns this point: ☐Yes ☐No Comments:

Skill (continued)	Task	Scoring Criteria	Decision Rules	Score & Notes
Row 11 **Code Implementation:** Write a program to satisfy method specifications using expressions, conditional statements, and iterative statements. **Emerging**	Response to Question 6	▪ Selected code segment contains iteration.	**Do NOT award a point if any one of the following is true:** ▪ the code segment does not contain iteration; or ▪ the code segment contains syntax errors.	Student response earns this point: ☐Yes ☐No Comments:
Row 12 **Documentation:** Describe the behavior of a given segment of program code. **Proficient**	Response to Question 6	Written response: ▪ Describes how the loop that was used works.	**Do NOT award a point if any one of the following is true:** ▪ the description of the loop and how it works does not match the provided loop; or ▪ the response provides general information about how the loop works without context of the given program; or ▪ the response does not describe how the given loop works.	Student response earns this point: ☐Yes ☐No Comments:
Row 13 **Code Testing:** Determine if two or more code segments yield equivalent results. **Advanced**	Response to Question 6	Written response: ▪ Provides an equivalent code segment which uses a different type of loop from the code segment included in the response.	**Do NOT award a point if any one of the following is true:** ▪ the type of loop in the equivalent code segment is the same type of loop as the one provided; or ▪ the loop is not equivalent	Student response earns this point: ☐Yes ☐No Comments: