Data Lab: Open-Ended Activity Scoring Guidelines and Notes

Skill	Task	Scoring Criteria	Decision Rules	Score & Notes
Row 1 **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 data set used to answer the question; and ▪ Describes the process used to find the data set	**Do NOT award a point if any one of the following is true:** ▪ the data set is not described; or ▪ the process for finding the data set is not described.	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 3	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:
Row 3 **Program Design and Algorithm Development:** Determine an appropriate program design to solve a problem or accomplish a task. **Proficient**	Response to Question 4	The written response: ▪ Describes the class that was created to represent entries in the identified data set.	**Do NOT award a point if:** ▪ the described class does not match the identified data set from question 2.	Student response earns this point: ☐Yes ☐No Comments:

Skill (continued)	Task	Scoring Criteria	Decision Rules	Score & Notes
Row 4 **Program Design and Algorithm Development:** Determine an appropriate program design to solve a problem or accomplish a task. **Proficient**	Response to Question 4	The written response: ▪ Describes instance variables used and why they were chosen.	**Do NOT award a point if any one of the following is true:** ▪ the response does not discuss instance variables; or ▪ the instance variables discussed do not match the overall class description; or ▪ the response does not discuss why the instance variables were chosen.	Student response earns this point: ☐Yes ☐No Comments:
Row 5 **Code Implementation:** Write a program to create objects of a class and call methods. **Proficient**	Response to Question 5	▪ Selected code segment contains an algorithm to process data.	**Do NOT award a point if any one of the following is true:** ▪ the code segment does not contain an algorithm to process data; or ▪ the code segment contains syntax errors; or ▪ data is not stored in an array or `ArrayList`	Student response earns this point: ☐Yes ☐No Comments:
Row 6 **Documentation:** Describe the behavior of a given segment of program code. **Advanced**	Response to Question 5	Written response: ▪ Describes how data was processed in order to answer the identified question.	**Do NOT award a point if any one of the following is true:** ▪ process is not described; or ▪ the description provided does not match the provided code segment.	Student response earns this point: ☐Yes ☐No Comments: