## Hurricane Project – Array Basic Statistics and Sorts Early Peer Review

Rohit Tallapragada	Total/25
1/14/2021 Period 1	_
r Carol Wininger	Date signed off as being completely correct1/14/2021
nne Class	
Instance variables — declared to be private at Constructor with correct parameters and it compares to getName, getPressure, getSpeed, getPressure, getPr	alls determineCategory etYear, getMonth, getCategory  od mparePressureTo, compareSpeedTo,
Comments include name, date, and summar Instance variables — array of hurricane object findMaxPressure without sorting first findMaxWindspeed without sorting first findMinPressure without sorting first findMinWindSpeed without sorting first calculateAveragePressure calculateAverageWindSpeed calculateAverageCategory sortYears — selection sort that sorts the property sortNames — insertion sortNames — insertion sortNames — insertion sortNames — insertion sortNames	y using Javadoc and uses correct grammar.  ts  rears ascending and uses compareYearTo  ames ascending and uses compareNameTo
	Carol Wininger  Carol Wininger  Carol Wininger  Comments include name, date, and summary Instance variables – declared to be private and Constructor with correct parameters and it constructor with correct parameters and it constructs and it constructs with correct parameters and it constructs are getName, getPressure, getSpeed, godetermineCategory  toString – uses String. format methomore compareYearTo, compareNameTo, concompareCategoryTo (each are one-line)  CheckStyle finds no errors. Javadoc is correct of Summary  ©param, if appropriate  eneOrganizer Class with an Array of Hurron Comments include name, date, and summary Instance variables – array of hurricane object findMaxPressure without sorting first findMaxWindspeed without sorting first findMinPressure without sorting first findMinPressure without sorting first calculateAveragePressure calculateAveragePressure calculateAverageWindSpeed calculateAverageCategory sortYears – selection sort that sorts the years

- Summary is clear, concise and useful to a client of the class.
- @param, if appropriate (if the parameter is an index, the comment states if index is included or excluded)
- @return, if appropriate

These include:

## **Hurricane Testing**

\_\_\_\_\_ CheckStyle finds no errors in the methods listed above. Javadoc is correctly done for all methods and constructors.

	Test	<b>V</b>
Test the sorts in the following order:		7
<ul> <li>Sort names (ascending)</li> </ul>		<b>/</b>
<ul> <li>Sort categories (descending)</li> </ul>		<b>/</b>
<ul> <li>Sort years (ascending)</li> </ul>		<b>/</b>
Test ave	erages:	<b>✓</b>
•	Wind 90.86	<b>✓</b>
• Pressure 961.76		~
•	Category 2.12	<b>/</b>
Test minimums and maximums:		<b>V</b>
•	Speed min 64 max 150	<b>/</b>
•	Pressure min 882_max 1002	<b>/</b>