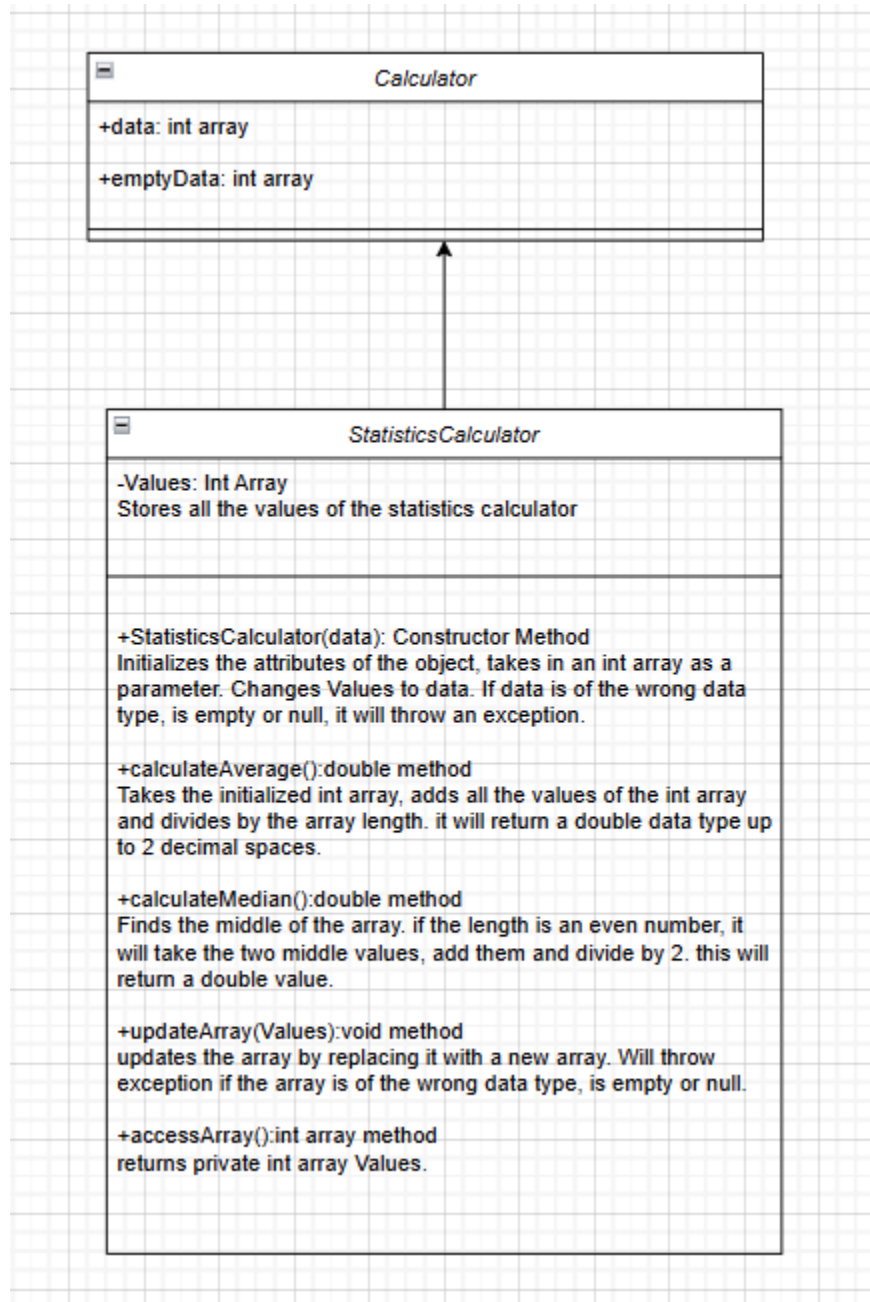


Assignment04-Q1



Assignment04-Q6

In questions 3,4,5 I did apply the divide and conquer principle by breaking various tasks into manageable parts. Each method will specifically only perform a certain task and come together to solve the problem. Specifically for **StringAnalyzer** and **TextAnalyzer**, they both use the **StringCleaner** Class to clean the string of any unwanted properties. **TextAnalyzer** uses `getWordFrequencies` to ensure that the work is split into another method instead of putting the work all into one method.

Assignment04-Q7

I applied the Open-closed principle by ensuring that the `stringAnalyzer` class is open for extensibility. I inherited `stringAnalyzer` into `textAnalyzer`, reusing some of the methods and not allowing for easy modification.