Readme

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**// Solution.java(Data Ductus Task) //**

**// Language: Java, Eclipse IDE //**

**// Platform: Dell Inspiron, Windows 10 //**

**// Author: Sanjana Kiran //**

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**Algorithm:**

Step1-

To split the string using delimited regex “, ” (comma followed by space)

Step2-

For each individual split item

If the split item starts with “[” append space, append split item to answer and go to next line.

Else if the slit item contains “]” go to next line, append split item to answer

(handled case which has multiple “]”)

Else go to next line, append split item to answer

**Runtime complexity-**

O(n)- Where n is number of individual elements after the string split.

**Space complexity-**

O(n)- Each time you append the StringBuilder it checks if the builder array is filled, if required copies the contents of original array to new array of increased size. So the space requirement increases linearly with the length of String.

**Cases not handled(Invalid)**

1. Continuous multiple “[” in the expression

2. Continuous multiple spaces “ ” in the expression(can handle this case by removing the spaces int the string, But this manipulates the entire string so did not consider to use).

This is one of the approach to solve. Thank you