Project 1 Skip List Structure

Implementation order:

1. Command Processor class
2. KV Pair class
3. Skip List class
4. Database class

**Command Processor:**

Objective of this class is to parse the text file into line-by-line comments. If the command is not in the file, an appropriate message will be displayed.

Boiled down explanation. This method should take in the line of text read from the rectangle class and then call the method associated with the said line.

Find if the line contains the keyword over and over for all keywords

If parameter contains \*keyword\*

Call field.method

Return

Else if parameter contains \*keyword\*

Call field.method

Return

Else

* parameter not in text file, in the line is not a valid command
* Print out message

We need to take the string characters out of the string and take the commands, the keys and the values and set them equal to their variables to be able to add to the KVPair pair variable. We will then pass this pair into the methods from the database class.

Stop 15 2021 1030pm. Got the string to parse correctly other than when there aren’t enough inputs to match the needed inputs for commands, keys and values. Need to figure out a way to decide if the array is smaller than a certain amount, skip a section. And proceed.

**KV Pair:** implemented by instructor.

**Skip List Class:**

Implements the skip list data structure and has an inner skip node class.

Start with insert method from book: