**Question 4: String Formatter**

| Total Scored out of 9 |  |
| --- | --- |

**Part (a) totalLetters 2 points**

Intent: Calculate the total number of letters in a list of words

+1 Accesses all strings in wordList and adds length of each to accumulated count (no bounds errors)

+1 Initializes and returns accumulated count

**Part (b) basicGapWidth 2 points**

Intent: Calculate the minimum number of spaces (basic gap width) to be placed between each word in the formatted string

+1 Calls totalLetters correctly and uses result

+1 Returns correct calculated value

**Part (c) format 5 points**

Intent: Return a formatted string consisting of words from wordList separated by one or more spaces

+1 Calls basicGapWidth and leftoverSpaces correctly and uses results

+1 Adds all strings in wordList to formatted string in original order (no bounds errors)

+1 Inserts basicGapWidth spaces between each pair of words in formatted string

+1 Inserts one space between first leftoverSpaces pairs of words in formatted string

+1 Initializes and returns formatted string (no extra or deleted characters)