

AP[®] COMPUTER SCIENCE A 2016 SCORING GUIDELINES

Question 4: String Formatter

Part (a)	<code>totalLetters</code>	2 points
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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)	<code>basicGapWidth</code>	2 points
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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)	<code>format</code>	5 points
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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*)