

AP[®] COMPUTER SCIENCE A 2016 SCORING GUIDELINES

Question 2: Log Messages

Part (a) <code>LogMessage</code> constructor	2 points
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Intent: *Initialize instance variables using passed parameter*

- +1 Locates colon
- +1 Initializes instance variables with correct parts of the parameter

Part (b) <code>containsWord</code>	2 points
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Intent: *Determine whether description properly contains a keyword*

- +1 Identifies at least one properly-contained occurrence of keyword in description
- +1 Returns `true` if and only if `description` properly contains keyword
Returns `false` otherwise (*no bounds errors*)

Part (c) <code>removeMessages</code>	5 points
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Intent: *Remove log messages containing keyword from system log list and return these messages in a new list*

- +1 Accesses all items in `messageList` (*no bounds errors; point lost if no removal attempted*)
- +1 Identifies keyword-containing entry using `containsWord`
- +1 Adds all and only identified entries to new list (*point lost if original order not maintained*)
- +1 Removes all identified entries from `messageList` (*point lost if `messageList` reordered*)
- +1 Constructs and returns new `ArrayList<LogMessage>`