Description of The Standard Deviation Function

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The function takes two parameters:

1. The first is of type 'int pointer' and points to the memory address storing the first value in a vector of ints.

2. The second is of type 'int' and holds the current size of the vector.

After receiving these values the function calculates the standard deviation of the numbers in the vector using the following formula:

$$\sigma = \sqrt{\frac{\sum(x_i - \mu)^2}{n}}$$