Programming assignment 4.

Suggested due date: Friday, November 17 2017 at 03:30pm

Remember:

You can remove all the variables from the workspace by writing "clear"

Look up the description of all the functions in MATLAB by typing doc in the command window.

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Write **2** functions to calculate the **MSS** of a given array one with running time of $O(n)$ and one with $O(nlogn)$.

Request the user to enter a positive integer, and call it **n**.

1. Generate **n** random integers between *-100* to *100* and save them in array **a**. *(You can use randi function in MATLAB)*
2. Print the generated array and the outputs of your two functions.