

Extra Credit 2.

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

1. Request the user to enter a positive integer, and call it **n**.
2. Generate **n** random integers between -100 to 100 and save them in array **a**.
3. Print the generated array and the outputs of your two functions.