Write a SPARC program that uses closed subroutines to take in input for the size of an integer array up to 10, initializes an array to user input variables, sorts the array, prints the minimum, median and maximum elements of the array and takes the average of the elements in the array.

You can hard code values as macros instead of using user input.
User input 10 points extra.
Program must run for credit.
Comments are needed for credit.

Subroutines
Main 5 points
User Input 5 points
Initialize 10 points
Sort 15 points
Minimum, Median, Maximum 10 points
Average 15 points