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afterlyte@DESKTOP-NLTB7VJ:/mnt/c/Users/xj123/OneDrive/Documents/School/CSCD/CSCD240/hw/hw2$ gcc SortModifyArrayBasic.c -o arraytest -lm
afterlyte@DESKTOP-NLTB7VJ:/mnt/c/Users/xj123/OneDrive/Documents/School/CSCD/CSCD240/hw/hw2$ ./arraytest
This is the basic part of the program that asks the user to type the number of integers, i.e., 'n'. Next, allocate memory for 'n' integers, read the values of 'n' integers into the allocated memory using scanf, next, find the mean, median and average of 'n' integers. Lastly, the allocated memory needs to be freed.
Read using scanf how many integers you would like to type:
5
Please type 'n' integers:
1
2
4
5
6
Displaying the numbers:
1 2 4 5 6
Mean of the numbers is: 3.600000
Median of the numbers is: 4.000000
Standard deviation of the numbers is: 2.073644
afterlyte@DESKTOP-NLTB7VJ:/mnt/c/Users/xj123/OneDrive/Documents/School/CSCD/CSCD240/hw/hw2$

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afterlyte@DESKTOP-NLTB7VJ:/mnt/c/Users/xj123/OneDrive/Documents/School/CSCD/CSCD240/hw/hw2$ ./arraytest
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Read using scanf how many integers you would like to type:
6
Please type 'n' integers:
34
765
25
23
76
456
Displaying the numbers:
34 765 25 23 76 456
Mean of the numbers is: 229.833333
Median of the numbers is: 55.000000
Standard deviation of the numbers is: 311.225588
afterlyte@DESKTOP-NLTB7VJ:/mnt/c/Users/xj123/OneDrive/Documents/School/CSCD/CSCD240/hw/hw2$

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Read using scanf how many integers you would like to type:
9
Please type 'n' integers:
1
5
3
2
6
5
3
7
6
```

```
Displaying the numbers:
1 5 3 2 6 5 3 7 6
Mean of the numbers is: 4.222222
Median of the numbers is: 5.000000
Standard deviation of the numbers is: 2.048034
afterlyte@DESKTOP-NLTB7VJ:/mnt/c/Users/xj123/OneDrive/Documents/School/CSCD/CSCD240/hw/hw
2$
```