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1  afterlyte@DESKTOP-NLTB7VJ:/mnt/c/Users/xj123/OneDrive/Documents/School/CSCD/CSCD240/hw/hw
2$ gcc SortModifyArrayBasic.c -o arraytest -lm
2  afterlyte@DESKTOP-NLTB7VJ:/mnt/c/Users/xj123/OneDrive/Documents/School/CSCD/CSCD240/hw/hw
2$ ./arraytest
3  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.
4  Read using scanf how many integers you would like to type:
5  5
6  Please type 'n' integers:
7  1
8  2
9  4
10 5
11 6
12 Displaying the numbers:
13 1 2 4 5 6
14 Mean of the numbers is: 3.600000
15 Median of the numbers is: 4.000000
16 Standard deviation of the numbers is: 2.073644
17 afterlyte@DESKTOP-NLTB7VJ:/mnt/c/Users/xj123/OneDrive/Documents/School/CSCD/CSCD240/hw/hw
18 2$
19 -----
20
21 afterlyte@DESKTOP-NLTB7VJ:/mnt/c/Users/xj123/OneDrive/Documents/School/CSCD/CSCD240/hw/hw
22 2$ ./arraytest
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   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.
24 Read using scanf how many integers you would like to type:
25 6
26 Please type 'n' integers:
27 34
28 765
29 25
30 23
31 76
32 456
33 Displaying the numbers:
34 34 765 25 23 76 456
35 Mean of the numbers is: 229.833333
36 Median of the numbers is: 55.000000
37 Standard deviation of the numbers is: 311.225588
38 afterlyte@DESKTOP-NLTB7VJ:/mnt/c/Users/xj123/OneDrive/Documents/School/CSCD/CSCD240/hw/hw
39 2$
40 -----
41
42 afterlyte@DESKTOP-NLTB7VJ:/mnt/c/Users/xj123/OneDrive/Documents/School/CSCD/CSCD240/hw/hw
43 2$ ./arraytest
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   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.
45 Read using scanf how many integers you would like to type:
46 9
47 Please type 'n' integers:
48 1
49 5
50 3
51 2
52 6
53 5
54 3
55 7
56 6

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55  Displaying the numbers:
56  1 5 3 2 6 5 3 7 6
57  Mean of the numbers is: 4.222222
58  Median of the numbers is: 5.000000
59  Standard deviation of the numbers is: 2.048034
60  afterlyte@DESKTOP-NLTB7VJ:/mnt/c/Users/xj123/OneDrive/Documents/School/CSCD/CSCD240/hw/hw
    2$
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