

```
jlinil@cscd-linux01: ~/CSCD240/Assignments/HW2
jlinil@cscd-linux01:~/CSCD240/Assignments/HW2$ ./SortModifyArrayBasic
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 sc
anf; next, find the mean, median and average of 'n' integers.Lastly, the allocated memory needs to be fr
eed.

Read using scanf how many integers you would like to type:
5
Please type 'n' integers:
32
754
12
54
0
Displaying the numbers:
[32, 754, 12, 54, 0]
Mean of the numbers is: 170.400000
Median of the numbers is: 32.000000
Standard deviation of the numbers is: 326.886525
jlinil@cscd-linux01:~/CSCD240/Assignments/HW2$ ./SortModifyArrayBasic
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 sc
anf; next, find the mean, median and average of 'n' integers.Lastly, the allocated memory needs to be fr
eed.

Read using scanf how many integers you would like to type:
4
Please type 'n' integers:
5
867
23
1
Displaying the numbers:
[5, 867, 23, 1]
Mean of the numbers is: 224.000000
Median of the numbers is: 14.000000
Standard deviation of the numbers is: 428.773444
jlinil@cscd-linux01:~/CSCD240/Assignments/HW2$ ./SortModifyArrayBasic
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 sc
anf; next, find the mean, median and average of 'n' integers.Lastly, the allocated memory needs to be fr
eed.

Read using scanf how many integers you would like to type:
6
Please type 'n' integers:
6
5
4
3
2
1
Displaying the numbers:
[6, 5, 4, 3, 2, 1]
Mean of the numbers is: 3.500000
Median of the numbers is: 3.500000
Standard deviation of the numbers is: 1.870829
jlinil@cscd-linux01:~/CSCD240/Assignments/HW2$
```