

### Output capture 1:

```
keng@xiokd-Desktop: /mnt/c/Users/Keng/Desktop/xionghw2
keng@xiokd-Desktop:/mnt/c/Users/Keng/Desktop/xionghw2$ ./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 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:
6
4
3
2
1
Displaying the numbers:
6 4 3 2 1
Mean of the numbers is: 3.200000
Median of the numbers is: 3.000000
Standard deviation of the numbers is: 1.923538
```

### Output capture 2:

```
keng@xiokd-Desktop: /mnt/c/Users/Keng/Desktop/xionghw2
keng@xiokd-Desktop:/mnt/c/Users/Keng/Desktop/xionghw2$ ./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 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:
6
Please type 'n' integers:
2
4
6
8
12
10
Displaying the numbers:
2 4 6 8 12 10
Mean of the numbers is: 7.000000
Median of the numbers is: 7.000000
Standard deviation of the numbers is: 3.741657
```

### Output capture 3:

```
keng@xiokd-Desktop: /mnt/c/Users/Keng/Desktop/xionghw2
keng@xiokd-Desktop:/mnt/c/Users/Keng/Desktop/xionghw2$ ./SortModifyArrayBasic
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Read using scanf how many integers you would like to type:
5
Please type 'n' integers:
10
27
32
3
9
Displaying the numbers:
10 27 32 3 9
Mean of the numbers is: 16.200000
Median of the numbers is: 10.000000
Standard deviation of the numbers is: 12.557866
```