

```
PS G:\My Drive\School\01_Fall2024\CS210\WK03> py  
'.\Assignment03_isSorted_&_bubble_sort.py'
```

Testing "isSorted" Function

x is not sorted.	Testing: is x sorted? False
y is sorted in ascending order.	Testing: is y sorted? (True, 'ascending')
z is sorted in descending order.	Testing: is z sorted? (True, 'descending')

-----

Testing "bubble\_sort" Function

Unsorted starting array:

```
[100, 65, 11, 7, 8, 8, 8, 5, 3, 18, 3, 5, 1, 2, 34, 76, 3, 3, 98]
```

After bubble\_sort, ascending:

```
[1, 2, 3, 3, 3, 3, 5, 5, 7, 8, 8, 8, 11, 18, 34, 65, 76, 98, 100]
```

Compared to Python sorting:

```
[1, 2, 3, 3, 3, 3, 5, 5, 7, 8, 8, 8, 11, 18, 34, 65, 76, 98, 100]
```

After bubble\_sort, descending:

```
[100, 98, 76, 65, 34, 18, 11, 8, 8, 8, 7, 5, 5, 3, 3, 3, 3, 2, 1]
```

Compared to Python reversed array:

```
[100, 98, 76, 65, 34, 18, 11, 8, 8, 8, 7, 5, 5, 3, 3, 3, 3, 2, 1]
```

```
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```