

```
1 # sorted() Function
2
3 """
4 sorted():
5     --> Returns a new sorted list from the items in iterable.
6     --> Returns a new list {not in-place}
7 """
8
9 # List
10 nums = [4, 6, 1, 30, 55, 23]
11 nums_asc_order = sorted(nums)
12 print(nums_asc_order)
13 nums_desc_order = sorted(nums, reverse=True)
14 print(nums_desc_order)
15
16 # Tuple
17 numbers = (55, 85, 23, 55, 21, 1, 55)
18 print(sorted(numbers))
19 print(sorted(numbers, reverse=True))
20
21 # Complex Data Sorting
22 users = [
23     {"username": "samuel", "tweets": ["I love cake", "I love pie", "hello
24 world!"]},
25     {"username": "katie", "tweets": ["I love my cat"]},
26     {"username": "jeff", "tweets": []},
27     {"username": "bob123", "tweets": []},
28     {"username": "doggo_luvr", "tweets": ["dogs are the best", "I'm hungry"]},
29     {"username": "guitar_gal", "tweets": []}
30 ]
31 print(users)
32 sorted_users_asc = sorted(users, key=lambda user: user['username'])
33 print(sorted_users_asc)
34
35 sorted_users_tweets_length_asc = sorted(users, key=lambda user:
36 len(user['tweets']))
37 print(sorted_users_tweets_length_asc)
```