

Sort function explained.

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Anonymous

expalin about sorted function



ChatGPT

The `sorted()` function in Python is used to sort any iterable object, like lists, tuples, or strings, and returns a new sorted list. It doesn't modify the original object but creates a new one with the elements sorted in ascending order by default.

Here's how you can use it:

python

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```
# Sorting a list
my_list = [3, 1, 4, 1, 5, 9, 2, 6]
sorted_list = sorted(my_list)
print(sorted_list) # Output: [1, 1, 2, 3, 4, 5, 6, 9]

# Sorting a tuple
my_tuple = (7, 2, 5, 1, 8)
sorted_tuple = sorted(my_tuple)
print(sorted_tuple) # Output: [1, 2, 5, 7, 8]

# Sorting a string
my_string = "hello"
sorted_string = sorted(my_string)
print(sorted_string) # Output: ['e', 'h', 'l', 'l', 'o']
```

You can also customize the sorting order and behavior by using optional arguments. For example, you can use the `reverse` parameter to sort in descending order:

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