

Lesson 1: Week 10 - Searching and Sorting

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Useful links about Searching and Sorting

Binary and Linear Search Visualization<https://www.cs.usfca.edu/~galles/visualization/Search.html>Linear Search<https://www.geeksforgeeks.org/linear-search/Binary>Search<https://www.geeksforgeeks.org/binary-search/Selection>Sort<https://www.geeksforgeeks.org/selection-sort/Bubble>Sort<https://www.geeksforgeeks.org/bubble-sort/Insertion>Sort<https://www.geeksforgeeks.org/insertion-sort/Quick> Sort<https://www.geeksforgeeks.org/quick-sort/A> tour of the top 5 sorting algorithms with Python code<https://medium.com/@george.seif94/a-tour-of-the-top-5-sorting-algorithms-with-python-code-43ea9aa0288915> Sorting Algorithms in 6 Minutes<https://www.youtube.com/watch?v=kPRA0W1kECgA> Bubble Sorting Algorithm animated example<https://www.youtube.com/watch?v=9I2oOAr2okY>The Quick Sort<https://runestone.academy/runestone/books/published/pythonds/SortSearch/TheQuickSort.html>Sorting, searching and algorithm analysishttps://python-textbok.readthedocs.io/en/1.0/Sorting_and_Searching_Algorithms.htmlPython Programming Examples on Searching and Sorting<https://www.sanfoundry.com/python-programming-examples-searching-sorting/>A tour of the top 5 sorting algorithms with Python code<https://medium.com/@george.seif94/a-tour-of-the-top-5-sorting-algorithms-with-python-code-43ea9aa0288915>Sorting and Searching in Python<https://code.tutsplus.com/tutorials/sorting-and-searching-in-python--cms-25668>Batcher odd-even mergesort[https://en.wikipedia.org/wiki/Batcher_odd-even_mergesort](https://en.wikipedia.org/wiki/Batcher_odd%E2%80%93even_mergesort)

linear_search.py

binary_search.py

binary_search_recursive.py

sorting.py

bubble_sort.py

selection_sort.py

insertion_sort.py

shell_sort.py

merge_sort.py

quick_sort.py

heap_sort.py

batcher_sort.py