Merge Sort

* Merge Sortis very efficient for sorting linked lists since linked lists cannot be randomly accessed, and in merge sort, we don’t require random access, while in quicksort, we need to randomly access elements.
* Merge sort is a stable sorting algorithm, i.e., it maintains the relative order of two equal elements.

Quick Sort

* Quicksort is very efficient for sorting small datasets. It is also the preferred sorting algorithm when allocating additional memory is costly since it is an in-place sorting algorithm while merge sort has a space complexity of O(n).
* Quicksortis an unstable sorting algorithm, i.e., it might change the relative order of two equal elements.

Time Complexity

Merge Sort takes 0.4547 milliSeconds to execute the Program.

Quicksort takes 0.311 milliSeconds to execute the Program.