**Machine Configuration:**

OS: Windows 10

Processor: Intel® Core™ i7-8565U CPU @ 1.80GHz 1.99 GHz

Installed memory (RAM): 8.00 GB (7.85 GB usable)

System type: 64-bit Operating System, x64-based processor

**Complexity Analysis:**

**Merge Sort:**

Complexity of merge sort in every case is O(nlogn).

**Quick Sort:**

For sorted arrays (both ascending and descending), time complexity for quick sort is O(n2). But in average case it is O(nlogn).

**Data Table:**

