



Vietnam National University of HCMC
International University
School of Computer Science and Engineering



Data Structures and Algorithms

★ Advance Sorting ★

Dr Vi Chi Thanh - vcthanh@hcmiu.edu.vn


<https://vichithanh.github.io>



SCAN ME

Practice

- **PartitionApp.java**
- Add counters for the number of comparisons and swaps and display them after partitioning.
- Investigate the relationship between the index of partitioning, the number of comparison, and the number of swaps.
- Do the previous exercise with different pivots:
 - beginning, end, or middle of the interval;
 - selected at random from the interval or from a larger interval;
 - last item in the array.
- Compute the average number of comparisons and swaps over 100 runs.



Vietnam National University of HCMC
International University
School of Computer Science and Engineering



THANK YOU

Dr Vi Chi Thanh - vcthanh@hcmiu.edu.vn

<https://vichithanh.github.io>



SCAN ME