

W2D3

You have file Quicksort for students in Sakai. That has the quick sort code.

You also have a file QuickSelect for students in Sakai.

- (1) Use these to create a new QuickSort Java code, ***newQuickSort*** in which you will pick the pivot by calling QuickSelect *first to compute actual the "median"*.
- (2) Compare the running times of QuickSort and NewQuickSort.
- (3) Plot the graph for 1000, 2000, ..., 10000 data sets randomly generated in the interval 1 to 25000 (integers).

Best wishes.