QUICK TEST 2 (Thu 15 nov 10:15-10:35)

Question 1. Demonstrate the sorting algorithms in the table with the given list.

Merge Sort 22, 36, 6, 79, 26, 45, 75	Quick Sort (always choose the last element to be the pivot) 22, 36, 6, 79, 26, 45, 75
Bubble sort 22, 36, 6, 79, 26, 45, 75	Selection sort 22, 36, 6, 79, 26, 45, 75

Question 2. What does “a hybrid algorithm” mean when one implements an efficient sorting program? Support your answers with examples.

Question 3. Assume you have a list of n positive integers which you know are bounded above by the positive number m. Why is the upper bound on the running time of the bin sort O(n + m)?

Full name Email

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Further feedbacks

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