Sorting Algorithms

Tuesday, October 4, 2022

3:05 PM

ESTIMATION TIME TO COMPLETE - 3hrs

ACTUAL TAKEN TIME -

|  |  |  |  |
| --- | --- | --- | --- |
| **Contents** | **Estimation Time to Complete** | **Actual Time to Complete** | **Remarks** |
| [Java: BubbleSort algorithm](https://www.youtube.com/watch?v=F13_wsHDIG4) | 10mins | 8mins | Uses O(n^2) |
| Bubble Sort Practicing | 20mins | 15mins | Calculated time taken to complete sorting,  Not so efficient when Data are huge. |
| [Java: Insertion Sort sorting algorithm](https://www.youtube.com/watch?v=lCDZ0IprFw4) | 10mins | 15mins | Uses O(n^2) |
| Insertion Sort Practicing | 20mins | 25mins | Debugged an mistake using debugger. |
| [Java: SelectionSort animated demo with code](https://www.youtube.com/watch?v=cqh8nQwuKNE) | 10mins | 8mins |  |
| Selection Sort Practicing | 20mins | 25mins | Debugged an mistake using debugger. |
| [2.7.2. Merge Sort Algorithm](https://www.youtube.com/watch?v=mB5HXBb_HY8) | 20mins | 30mins | O( n\* log n) |
| Merge Sort Practicing | 30mins | 25mins | Still need a bit more clarification |
| [2.8.1 QuickSort Algorithm](https://www.youtube.com/watch?v=7h1s2SojIRw) | 15mins | 15mins | O(n^2) |
| Quick Sort Practicing | 20mins | 25mins |  |