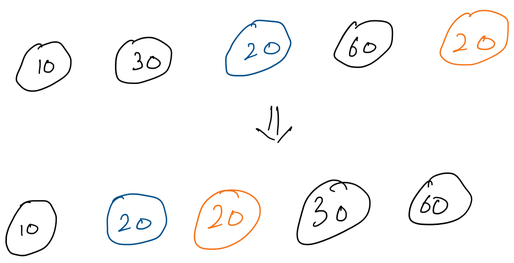
Day 6

Friday, 17 March 2023 9:07 PM

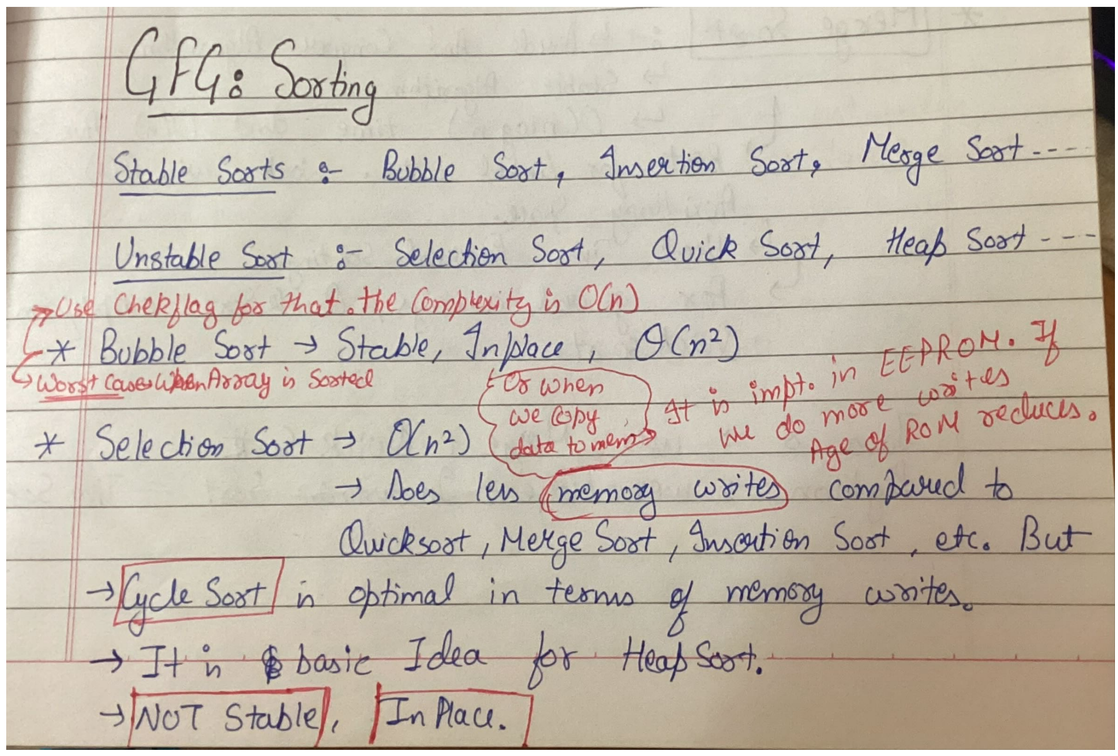
Stable Sorting: two objects with equal keys appear in the same order in the sorted output as they appear in the input data set. Eg, Bubble, Insertion, Merge

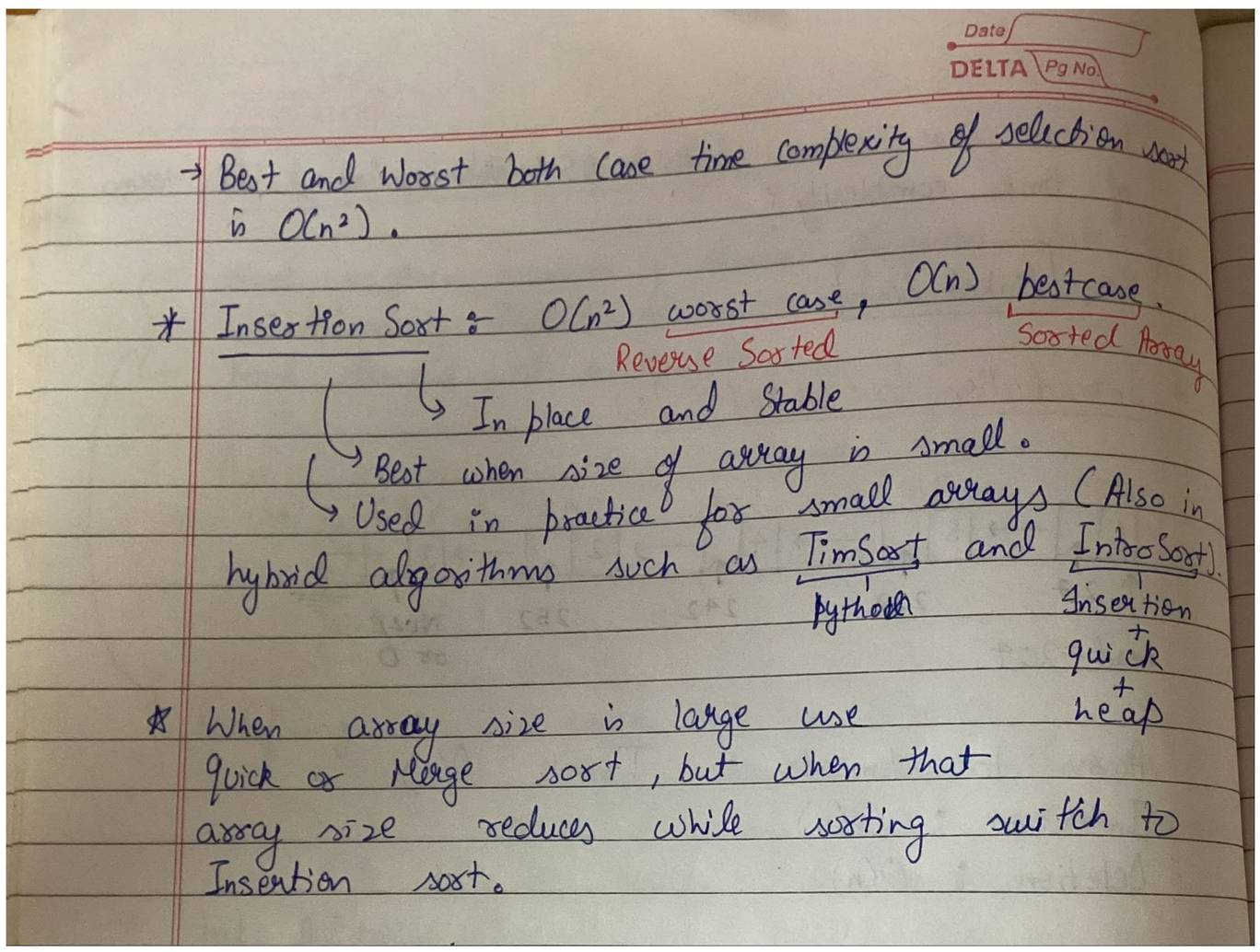


Unstable Sort: (Visa - versa). Eg Selection, Quick, Heap

InPlace / Non-InPlace: Does not need extra memory (InPlace). Small constant space for variables is allowed.

Sort(---) ← Uses Intro Sort (Quick + Heap Sort + Insertion Sort)
- Larger array size
- Reduced array size





Questions

1. Minimum No. of moves to seat Everyone [leetcode] https://leetcode.com/problems/minimum-number-of-moves-to-seat-everyone/description/
2. Sort the matrix diagonally [leetcode]
   - https://leetcode.com/problems/sort-the-matrix-diagonally/submissions/918017762/
   - Helpful Article → https://ganeshprasad227.medium.com/sort-2d-matrix-diagonally-coding-interview-matrix-sorting-2f33225801ab

Lambda → https://en.cppreference.com/w/cpp/language/lambda