\* Title: Parallel sorting Algorithms.

\* Problem Steatement: For a bubble South Sort hosed on existing sequential algorithms design and implement parallel algorithm

Objective:

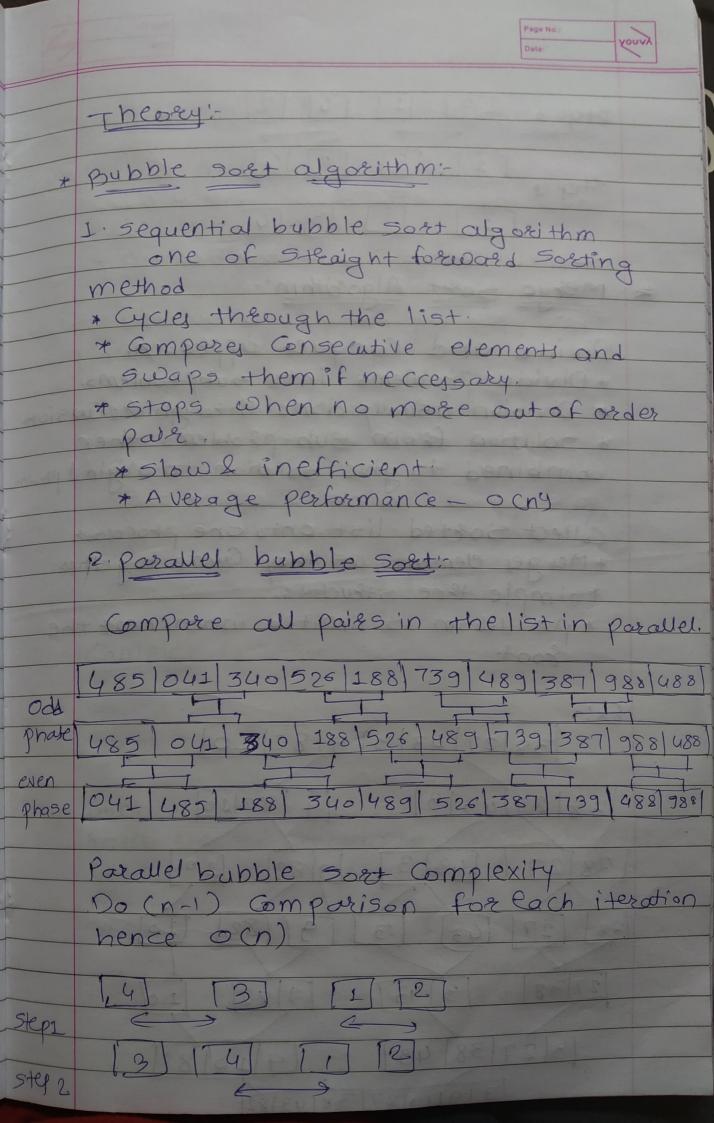
- \* To understand concept of bubble section merge sort based on sequential algorithm \* To understand Concept of porallel again, \* To Compare performance by volying number of processors used and also with sequential algorithm.
- \* 510 Packager and Hlu apportus:

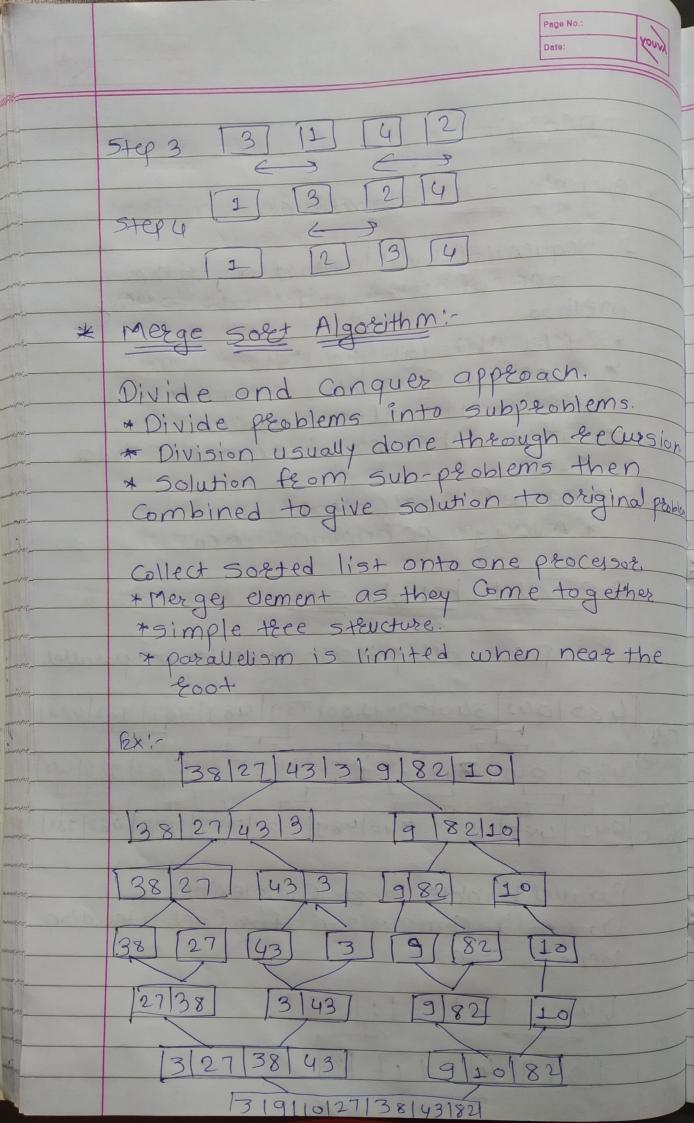
operating system: - Unux 08 windows.

\* Out Comes:

After Successfully Completing this assignment

- \* Display Eesult for parallel bubbles merge sort.
- A Analyze performance by voring number of processors used and also with sequential algorithm.





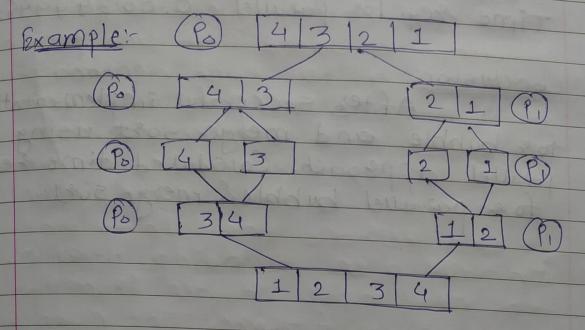
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Complexity: Ton) = o (nlogn)

Parallel merge Sorti-

\* paralleligno problems.

+ max parallelizm is achieved with one



Complexity:

Test Cases!

Enter no. of array element 6. Enter array elements 6 5 4 3 2 1

Sorted array: 1 23456

Time required 2 0,00300002.

