**Merge Sort Project**

This project is an assignment for Data Structures and Algorithms courses on the patika.dev learning platform.

**[16,21,11,8,12,22]**-> **Merge Sort**

**Question 1)** Write sorting steps for above array according to type of sorting.

**[16,21,11,8,12,22]**

**/ \**

**[16,21,11] [8,12,22]**

**/ \ / \**

**[16,21] [11] [8,12] [22]**

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**[16] [21] [11] [8] [12] [22]**

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**[16,21] [11] [8,12] [22]**

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**[11,16, 21] [8,12,22]**

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**[8, 11, 12, 16, 21, 22]**

**Question 2)** Write Big-O notation for that array.

* 2^x=n
* logn=x
* O(nlogn)