E Commerce Platform

## Big O Notation

The Big O notation is a mathematical notation to describe the upper bound of an algorithm in terms of its input size in time and space complexity.

It tells the worst case scenario for an algorithm.

## Linear Search

Best Case : O(1)

Average Case : O(n)

Worst Case : O(n)

## Binary Search

Best Case : O(1)

Average Case : O(log n)

Worst Case : O(log n)

For small unsorted dataset Linear Search is a better choice but for sorted array we must go with Binary Search as its worst case time complexity is O(log n)