**Comparison of Time Complexity of Linear Search and Binary Search Algorithms**

Time complexity is a concept that is evolved to match the proper functionality without any latency. It is dealt with proper size handling and matches user performance

**Linear Search:**

* **Best Case-** O(1) where the item is available early or first
* **Average Case-** O(n)
* **Worst Case-** O(n) where item is last or not found
* No sorting is required
* Its approach is linear, where it checks each item one by one

**Binary Search:**

* **Best Case-** O(1) where the item is in the middle
* **Average Case-** O(log n)
* **Worst Case-** O(log n) where item is not found
* The array is to be sorted before starting the search
* It approaches the search by dividing the array in two equal halves repeatedly