**An almost sorted array is given to us and the task is to sort that array completely. Then,**

**which sorting algorithm would you prefer and why?[Salesforce]**

As per the time complexity, for almost sorted array (Best case scenario) the time complexity for Bubble Sort & Insertion Sort is same which is Ω(N). But the Insertion Sort has minimum swaps when compared to Bubble Sort.

So, Insertion Sort Algorithm should be a preferrable approach for almost sorted data.

JS Code

function insertionSort(arr = []) {

  for (let i = 1; i < arr.length; i++) {

    let key = arr[i];

    let j = i - 1;

    // If the value of key is less than current pointer

    while (j >= 0 && key < arr[j]) {

      // move the element to the right till we find the smaller element

      // than the current element

      arr[j + 1] = arr[j];

      j = j - 1;

    }

    // store the key to the right side of smaller element

    arr[j + 1] = key;

  }

  return arr;

}

const array = [75, 90, 100, 95, 85, 80];

console.log(insertionSort(array));