DS - Assignment Q1. Insertion Sort insert (int orr [], size End while

arr (k+1] = j

End for Hence space complisify Insertion sort sorts the array comparing & then strapping. In best are, time sine compl

2. Quick Sort Time complaity ! -Worst Case! O(n) Avg (age: O(n (ag n) Best Cago: O (n log n 3. Bubble Sort: For n elements (n+1) comparisons .. Time complexity = 0 (n2) Note: Onick Sort & Rubble Sort are Bubble fort is afficient for arrays with small size.