8) Explain, why in worst case scenario the quick sort algorithm runs more slowly than Merge Sort In best case, each partition can cut the array roughly in half. In worst case (pivotis greatest or least value) the array is not partitione) at all. This means that while merge sort always splits the array in half, quick sort Joes not.

9) In practice, quick sort runs slightly faster than Merge Sort. This is because the partition function can be run "in place" while the merge function can not. More clearly explain what it means to run the partition function "in place".

No helper arrays are made for quick sort to Function. The array to be sorted itself is directly modified in quick sort.