**WEEK - 7**

| **Name** | **Best** | **Average** | **Worst** |
| --- | --- | --- | --- |
| Selection Sort | Ω(n^2) | θ(n^2) | O(n^2) |
| Bubble Sort | Ω(n) | θ(n^2) | O(n^2) |
| Insertion Sort | Ω(n) | θ(n^2) | O(n^2) |
| Heap Sort | Ω(n log(n)) | θ(n log(n)) | O(n log(n)) |
| Quick Sort | Ω(n log(n)) | θ(n log(n)) | O(n^2) |
| Merge Sort | Ω(n log(n)) | θ(n log(n)) | O(n log(n)) |
| Bucket Sort | Ω(n+k) | θ(n+k) | O(n^2) |
| Radix Sort | Ω(nk) | θ(nk) | O(nk) |

**Note** :- All functions time run times are calculated under same input length.