ASAN, BREECH KIRBY C. 29/1/24  
CC4- 1A LAB-ACT 1

My top 5 sorting algorithms

|  |  |
| --- | --- |
| Time Complexity: (Worst Case) | O(n log n) |
| Frequency Count: (Total Operations) | O(n log n) |

1. Merge Sort:

|  |  |
| --- | --- |
| Time Complexity: (Worst Case) | O(n^2) |
| Frequency Count: (Total Operations) | O(n log n) |

2. Quick Sort:

3. Selection Sort:

|  |  |
| --- | --- |
| Time Complexity: (Worst Case) | O(n^2) |
| Frequency Count: (Total Operations) |  |

4. Insertion Sort:

|  |  |
| --- | --- |
| Time Complexity: (Worst Case) |  |
| Frequency Count: (Total Operations) |  |

|  |  |
| --- | --- |
| Time Complexity: (Worst Case) |  |
| Frequency Count: (Total Operations) |  |

5. Bubble Sort: