# Comparing sorting algorithms

Arraylist size = 15000 elements

| Algorithm | Time (milliseconds) |
|---|---|
| Bubble sort | 2024 |
| Selection sort | 343 |
| Insertion sort | 233 |
| Quick sort | 13 |
| Merge sort | 17 |
| Counting sort | 3 |
| Radix sort | 13 |
| Heap sort | 23 |
| Bucket sort | 21 |
| Hybrid sort | 7 |

# Comparing searching algorithms

Arraylist size = 15000 elements

| Algorithm | Time(milliseconds) |
|---|---|
| Linear search | 2 |
| Binary Search | 10 |