1. Linear Search :

Best Case Time complexity – O(1)

Worst Case Time Complexity – O(n)

1. Binary Search

Best Case Time Complexity – O(1)

Worst Case Time Complexity – O(log N)

1. Bubble Sort

Best Case Time Complexity – O(N)

Worst Case Time Complexity – O(N2)

Space Complexity – Constant O(1) i.e. No extra space is required

Stability – Stable

1. Selection Sort

Best Case Time Complexity – O(N2)

Worst Case Time Complexity – O(N2)

Stability – Not Stable

Object Oriented Programming