**1)Linear Search:**

**Best Case:** When our target is found at first.

E.g: lyst = [1,2,3,4,5] Traget=1

first element is 1.

Lyst[0]=target

Complexity=O(1)

**Worst Case:** When traget is not found.

E.g: lyst = [1,2,3,4,5] Traget=6

Complexity=O(n)

**Average Case:**

Complexity = (n + 1)/2 = O(n)

**2)Binary Search:**

**Best Case:** When our target is found at middle.

E.g: lyst = [1,2,3,4,5] Traget=3

Middle element is 3.

Lyst[middle]=target

Complexity=O(1)

**Worst Case:** When traget is not found.

E.g: lyst = [1,2,3,4,5] Traget=6

Complexity=O(logn)

**Average Case:**

Complexity = (logn + 1)/2 = O(logn)