**1. LINEAR SEARCH ALGORITHM**

**STEP 1. First, read the search element in the array.**

**STEP 2. Set an integer i = 0 and repeat steps 3 to 4 till i reaches the end of the array.**

**STEP 3. Match the key with arr[i].**

**STEP 4. If the key matches, return the index. Otherwise, increment i by 1**

**2. BINARY SEARCH ALGORITHM**

**STEP 1. Set the low index to the first element of the array and the high index to the last element.**

**STEP 2. Set the middle index to the average of the low and high indices.**

* + - **If the element at the middle index is the target element, return the middle index.**
    - **Otherwise, based on the value of the key to be found and the value of the middle element, decide the next search space.**
    - **If the target is less than the element at the middle index, set the high index to middle index – 1.**
    - **If the target is greater than the element at the middle index,set the low index to middle index + 1.**

**STEP 3. Perform step 2 repeatedly until the target element is found or the search space is exhausted.**