Linear Search:

Sequential search.

We need to go to each index and search for key until the key is found.

<https://onlinegdb.com/UWp3ttAywn>

Linear search with search key as user input :

<https://onlinegdb.com/AZYMpuNuW>

For Binary Search :

Binary search will work only if Array is Sorted.

Binary Search:

For Binary search we want the elements to be in sorted format.

<https://onlinegdb.com/HVPOKG53U>

Every array will have a specific class but this class will not be for programmers.

Class for int a[]=I[a

Arrays: It is utility to perform the operations on the arrays that we create:

When we want to fill the all the elements of array with same value.

Filling all the indices of array with similar value:

<https://onlinegdb.com/uAcJ2xGzw>

Filling from one index to other index with some value:

<https://onlinegdb.com/N6iOPP4RT>

Sorting the Elements of the Array:

<https://onlinegdb.com/7sojQIQer>

Binary Search using Array Utility:

<https://onlinegdb.com/31sOZq4QK>

If the Search key is found it will return the index of the element (Starting with 0 index)

If Search key not found it will return the index at which it could have been present with negative sign (Starts with index as 1)

Bubble Sort:

We will compare the adjacent elements starting from 0th index and if left element is greater than right element then we swap those elements.

A[j]>A[j-1] --Swap A[j] and A[j-1]

At the end of Iteration Highest element will reach the correct position and it does not need no further sorting.

<https://onlinegdb.com/ZK3o1YyPD>