

1]Linear Search  
2]Binary Search  
3]Exit

Enter Choice: 1

Enter the size of Array: 20

The elements in the array are:

6378	6016	9260	7108	6141	9686	8549	2423	7247	2645	5531	9506	389	3793	7012	7
889	1482	1367	4793	6576											

Enter the search element: 1482

The Element found at index 16

1]Linear Search  
2]Binary Search  
3]Exit

Enter Choice: 2

Enter the size of Array: 20

The elements in the array are:

8038	541	5521	6692	8579	8098	8066	7401	4620	2575	9135	7350	8591	8395	4459	1
084	4433	3008	9859	1601											

Enter the search element: 1601

Enter Choice: 2

Enter the size of Array: 20

The elements in the array are:

8038	541	5521	6692	8579	8098	8066	7491	4620	2575	9135	7350	8591	8395	4459
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084	4433	3008	9859	1681
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Enter the search element: 1681

Sorted array is

The elements in the array are:

541	1084	1681	2575	3008	4433	4459	4620	5521	6692	7350	7491	8038	8066	8098
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395	8579	8591	9135	9859
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The Element found at index 2

1)Linear Search

2)Binary Search

3)Exit

Enter Choice: 3

Time taken for binary search: 1.875000

Time taken for linear search: 2.218750

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