```
In [1]: ls = [1,2,4,5,45,22,87,27,64,0,32]
In [2]: sorted_ls = ls.sort()
 In [3]: print(ls)
         [0, 1, 2, 4, 5, 22, 27, 32, 45, 64, 87]
In [8]: ele = 4
         start = 0
         end = len(ls)-1
 In [9]: print(ls[start])
         0
In [10]: print(ls[end])
         87
In [11]: while start <= end:</pre>
             mid = (start + end)//2
             if ls[mid] < ele:</pre>
                 start = mid + 1
             elif ls[mid] > ele:
                 end = mid - 1
             else:
                 print("Element found at index",mid)
                  break
         else:
             print("Element not found")
```

Element found at index 3