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import array as arr

num = arr.array('i', [])

n = int(input("Enter the no. of elements in array: "))

for i in range(n):

    elem = int(input("Enter the element: "))

    num.append(elem)

print("The array is: ", num)

key = int(input("Enter the element you want to find: "))

tsnum = sorted(num)

print("The array after sorting is: ", tsnum)

low = 0

high = n - 1

flag = 0

while low <= high:

    mid1 = low + (high - low) // 3

    mid2 = high - (high - low) // 3

    if tsnum[mid1] == key:

        print("Element found!!")

        flag = 1

        break

    elif tsnum[mid2] == key:

        print("Element found!!")

        flag = 1

        break

    elif key < tsnum[mid1]:

        high = mid1 - 1

    elif key > tsnum[mid2]:

        low = mid2 + 1

    else:

        low = mid1 + 1

        high = mid2 - 1

if flag == 0:

    print("Element not found!!!")
```