

Q.21>>Impliment Linear search using python.

```
#Linear Search
def linear_Search(arr, n, key):

    for i in range(0, n):
        if (arr[i] == key):
            return i
    return -1

#main func
arr = []
n=int(input("enter the length of your array:"))
print("take your array element:")
for i in range(0,n):
    l=int(input())
    arr.append(l)
print("The array given is: ", arr)
n = len(arr)
key=int(input("enter the value to be searched:"))
print("the element that has to be searched:",key)
index = linear_Search(arr, n, key)
if index != -1:
    print("Element is present at index " + str(index))
else:
    print("Element Not found")
```

