

#Linear Search

```
def linear_Search(list1, n, key):
```

```
    # Searching list1 sequentially
```

```
    for i in range(0, n):
```

```
        if (list1[i] == key):
```

```
            return i
```

```
    return -1
```

```
#main func
```

```
list1 = [1 ,3, 5, 4, 7, 9]
```

```
key = 7 #the elemeant to be searched
```

```
n = len(list1)
```

```
res = linear_Search(list1, n, key)
```

```
if(res == -1):
```

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

```
else:
```

```
    print("Element found at index: ", res)
```

