In [1]:

```
lst = [2,1,5,3,7,4]

val = int(input())

for i in range(len(lst)):
    if lst[i]==val:
        print("Value", val,'found at index',i)

else:
    print("Value not found")

```

```
5
Value 5 found at index 2
Value not found
```

In [ ]:

```
#Using Function
```

In [26]:

```
def l_search(list1,value):
    for i in range(len(lst)):
        if list1[i]==value:
            return i
    return -1


lst = [2,1,5,3,7,4]
val = int(input())

x = l_search(lst,val)

if x == -1:
    print("Value",val,"is not present in list")
else:
    print("Value",val,"is present at index",x)
```

```
8
Value 8 is not present in list
```

In [28]:

```
#Using Recursion

def l_search(list1,val,index):
    if index >= len(list1):
        return -1
    if list1[index] == val:
        return index
    return l_search(list1,val,index+1)

lst = [2,1,5,3,7,4]
value = int(input())

x = l_search(lst, value, 0)

if x == -1:
    print("Value",value,"is not present in list")
else:
    print("Value",value,"is present at index",x)
```

```
4
Value 4 is present at index 5
```