

Q.1.Implement linear search using python

In [2]:

```
def linear_Search(list, n, key):  
  
    # Searching list sequentially  
    for i in range(0, n):  
        if (list[i] == key):  
            return i  
    return -1  
  
list = [1, 3, 5, 4, 7, 9]  
key = 7  
  
n = len(list)  
res = linear_Search(list, n, key)  
  
if(res == -1):  
    print("Element not found")  
else:  
    print("Element found at index: ", res)
```

Element found at index: 4

In []: