In [5]:
```
#returns index postition of the target if found,otherwise none
def linearSearch(myList,target):
    for index in range(0,len(myList)):
        if myList[index] == target:
            return index
    return None

def verify(indexValue):
    if indexValue is not None:
        print("Target found at index: ",indexValue)
    else:
        print("Value not in the list")
items = [1,2,3,4,5,6,7,8,9,10]
result = linearSearch(items,2)
verify(result)
```

```
Target found at index:  1
```

In [6]:
```
#BinarySearch
def binarySearch(list1,target):
    firstValPos = 0
    lastValPos = len(list1) - 1
    while firstValPos <= lastValPos:
        midPos = (firstValPos + lastValPos) // 2
        if list1[midPos] == target:
            return target
        elif list1[midPos] < target:
            firstValPos = midPos + 1
        else:
            last = midPos - 1
    return None
list1 = [1,2,3,4,5,6,7,8,9,10]
result = binarySearch(list1,8)
verify(result)
```

```
Target found at index:  8
```