

DAA minggu ke 2 - Jupyter Not... x DAA Notasi Big O - Jupyter Not... x linear tim (O(n) complexity - Jup... x Logarithmic time(O(log(n)) compl... x +

localhost:8888/notebooks/Logarithmic%20time(O(log(n))%20complexity.ipynb

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jupyter Logarithmic time(O(log(n)) complexity Last Checkpoint: 18 menit yang lalu (unsaved changes)

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Run Code

```
In [9]: def searchBinary(myList,item):
        first = 0
        last = len(myList)-1
        foundFlag = False
        while( first<last and not foundFlag):
            mid = (first + last)//2
            if myList[mid] == item :
                foundFlag = True
            else:
                if item < myList[mid]:
                    last = mid - 1
                else:
                    first = mid + 1
        return foundFlag

In [10]: searchBinary([8,9,10,100,1000,2000,3000], 10)

Out[10]: True

In [11]: searchBinary([8,9,10,100,1000,2000,3000], 5)

Out[11]: False
```