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Python 3.8.1 Shell
File Edit Shell Debug Options Window Help
Python 3.8.1 (tags/v3.8.1:1b293b6, Dec 18 2019, 22:39:24) [MSC v.1916 32 bit (Intel)] on win
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\Users\Ramadhanu\Documents\Semester 4\110_Modul4.py =====
>>> cariTempattinggal("Klaten")
[6, 8]
>>> cariTerkecil(Daftar)
2
>>> cariTerkecilBanyak(Daftar)
[('Budi', 51, 'Sragen', 230000), ('Chandra', 18, 'Surakarta', 230000)]
>>> kurangDari(Daftar)
Ika
Budi
Chandra
Eka
Deni
Galuh
Janto
>>> binSe(CeritanyaList, 31)
'Ada di 8'
>>> binSeDua(ListA, 6)
[3, 4, 5]
>>>
```

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Ln 79 Col 22
Ln 23 Col 4
Activate Windows
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class LinkedList:
    self.next = None
    def __init__(self):
        self.head = None
    def search(self, v):
        current = self.head
        while current != None:
            if current.data == v:
                return "True"
            current = current.next
        return "False"
#Nomor 6
CeritanyaList = [2, 4, 5, 10, 13, 18, 23, 29, 31, 51, 64]
def binSe(kumpulan, target):
    low = 0
    high = len(kumpulan) - 1
    while low <= high:
        mid = (low + high) // 2
        if kumpulan[mid] == target:
            return "Ada di " + str(mid)
        elif target < kumpulan[mid]:
            high = mid - 1
        else:
            low = mid + 1
    return False
#Nomor 7
ListA = [2, 3, 5, 6, 6, 6, 8, 9, 9, 10, 11, 12, 13, 13, 14]
def binSeDua(kumpulan, target):
    low = 0
    high = len(kumpulan) - 1
    g = []
    while low <= high:
        if kumpulan[low] == target:
            g.append(low)
            low += 1
        else:
            low += 1
    return g
#Nomor 8
## log2(100) = 6.6438 mendekati 7
## log2(1000) = 9.9657 mendekati 10
## Dikarenakan program itu menerapkan log 2 disetiap pencariannya.

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