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Kelas: A

Tugas: Modul 3

Tugas 1.

2.

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no3.py - E:/algostruk/MODUL_3/no3.py (2.7.14)
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class Node():
   def __init__(self, data, nextNode=None):
        self.data = data
        self.nextNode = nextNode
    def cetak(head):
        curr = head
        while curr != None:
            print (curr.data)
            curr = curr.nextNode
    def cari(head, cari):
        curr = head
        while curr != None:
            if curr.data == cari:
               print("Data ditemukan!")
            else:
               print("Check data!")
            curr = curr.nextNode
   def tambahDepan(head):
        newNode = Node(1)
        newNode.nextNode = head
       head = newNode
       return head
   def tambahAkhir(head):
       curr = head
       while curr is not None:
            if curr.nextNode == None:
               newNode = Node(25)
               curr.nextNode = newNode
               return curr
            else:
               pass
            curr = curr.nextNode
       return curr
   def tambah (head, posisi):
       newNode = Node(8)
       newNode.nextNode = posisi.nextNode
       posisi.nextNode = newNode
       head.head = posisi
       return head
   def hapus(head, posisi):
       curr = head
       while curr != None:
           if curr.nextNode.data == posisi:
               curr.nextNode = curr.nextNode.nextNode
                return curr
           else:
              pass
           curr = curr.nextNode
        return curr
```

```
class doubly_linked():
   def __init__(self, Data, Next=None, Prev=None):
       self.Data = Data
       self.Next = Next
       self.Prev = Prev
    def mencetak():
       curr = head
       while curr != None:
          print(curr.Data)
           if curr.Next == None:
               curr = curr
               break
            else:
               curr = curr.Next
       print("\n")
        while curr != None:
           print(curr.Data)
           curr = curr.Prev
    def simpulAwal(head):
        newNode = doubly_linked(25)
       newNode.Next = head
       head.Prev = newNode
       head =newNode
       return head
    def simpulAkhir(head):
       curr = head
       while curr != None:
           if curr.Next == None:
               newNode = doubly_linked(365)
               curr.Next = newNode
               newNode.Prev = curr
               return curr
           else:
              pass
           curr = curr.Next
        return curr
```