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Modul 3

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modul3.py - D:/TUGAS KAMPUS/prak ASD/modul3.py (3.8.3)
                                                                                                                                                                                                                                                                                                                                         ø
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 else:
    previous = current
    current = current.getNext()
if found == False:
    print(item, "tidak Ditemukan")
elif previous == None:
    self.head = current.getNext()
else:
    previous = carrent.getNext()
                           e:
previous.setNext(current.getNext())
 #4. Double Linked List
#mengunjungi dan mencetak data tiap simpul dari depan maupun belakang
    def cetakdepan(self):
        ini = self.head
        while ini is not None:
            print(ini.data)
            ini = ini.next
         def cetakbelakang(self):
    for i in data(len(data),0):
        return i
  #menambah suatu simpul diawal
    def tambahDepan(self, i):
        self.i = i
        node.append(i)
 fmenambah suatu simpul diawal
    def tambahakhir(self, i):
        self.i = i
        node.prepend(i)
 a = node(2)
                                                                                                                                                                                                                                                                                                                                                Ln: 8 Col: 10
modul3.py - D:/TUGAS KAMPUS/prak ASD/modul3.py (3.8.3)
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                 else:
print("0 ", end=" ")
print()
fmenambah suatu simpul diawal
    def tambahDepan(self, i):
        self.i = i
        node.append(i)
 fmenambah suatu simpul diakhir
  def tambahAkhir(self, i):
     self.i = i
     node.prepend(i)
 #menyisipkan simpul dimana saja
class LinkedList:
    def __init__ (self, head=None):
        self.head = head
    def tambah(self, prev, baru):
        baru.next = prev.next
        prev.next = baru
 fmenghapus simpul dimana saja
  def hapus(self, item):
       current = self.head
       previous = None
```

```
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num1 = temp[i]

num2 = A[j][i]
                  for k in range(0,n):
                      A[j][k] = (num1*A[j][k]) - (num2*temp[k])
                  total = total * num1
      for i in range(0,n):
    det = det*A[i][i]
       return int(det/total)
print("Determinan Matriks nya adalah: ",determinantOfMatrix(A,a))
#membangkitkan matrix 0
def buatNol(m):
    print ([[0 for j in range(m)] for i in range(m)])
 fmembangkitkan matrix identitas
def buatIdentitas(size):
    for row in range(0, size):
        for col in range(0, size):
                 # Here end is used to stay in same line
if (row == col):
    print("1 ", end=" ")
else:
           else:

print("0 ", end=" ")

print()
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modul3.py - D:/TUGAS KAMPUS/prak ASD/modul3.py (3.8.3)
                                                                                                                                                                                                                                          ø
for x in range(0, len(X)):
    for y in range(0, len(X[0])):
        print (X[x][y], end=' ')
    print ()
 print (' ')
#menghitung determinan matriks
def determinantofMatrix(A,n):
    temp = [0]*n
    total=1
    det=1
       for i in range(0,n):
    index=i
             while(A[index][i] == 0 and index < n):
    index+=1</pre>
            if(index == n):
    continue
            if(index != i):
    for j in range(0,n):
        A[index][j],A[i][j] = A[i][j],A[index][j]
    det = det*int(pow(-1,index-i))
             for j in range(0,n):
    temp[j] = A[i][j]
             for j in range(i+1,n):
   num1 = temp[i]
   num2 = A[j][i]
                   for k in range(0,n):
```

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modul3.py - D:/TUGAS KAMPUS/prak ASD/modul3.py (3.8.3)

```
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A = [[2,3], \\ [3,1]]
B = [[6,3], \\ [4,2]]
#1
#konsistensi isi dan ukuran matriks
N = 5
M = 4
res = [ [ 0 for i in range(N) ] for j in range(M) ]
print("Matriks setelahi inisiasi: " + str(res))
print (' ')
#ukuran matriks
res = [sum(len(row) > idx for row in B)
    for idx in range(max(map(len, B)))]
print ("Ukuran dari Matriks: " + str(res))
print (' ')
fmenjumlahkan dua matriks
for x in range(0, len(A));
   for y in range(0, len(A[0]));
        print (A[x][y] + B[x][y], end=' ')
    print ()
print (' ')
#mengalikan dua matriks
X = []
for x in range(0, len(A)):
    row = []
    for y in range(0, len(A[0])):
        total = 0
        for z in range(0, len(A)):
                                                                                                                                                                                                                                                                              Ln: 8 Col: 10
modul 7 asd.py - C:/Users/ALIP-CORP/AppData/Local/Programs/Python/Python38-32/modul 7 asd.py (3.8.3)
■ Python 3.8.3 Shell

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Python 3.8.3 (tags/v3.8.3:6f8c832, May 13 2020, 22:20:19) [MSC v.1925 32 bit (In ∧ tal)] on win32
Type "help", "copyright", "credits" or "license()" for more information.

>>>
= RESTART: C:/Users/ALIP-CORP/AppData/Local/Programs/Python/Python38-32/modul 7 asd.py
menemukan ['kata:teh']
>>>
```

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