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Kelas : D MODUL 3

1. Array 2 Dimensi

Matriks yang akan ditest

```
a = [[1,2],[3,4]]

b = [[5,6],[7,8]]

c = [[12,3,"x","y"],[12,33,4]]

d = [[3,4],[2,4],[1,5]]

e = [[5,6,7],[7,8,9]]

f = [[1,2,3],[4,5,6],[7,8,9]]
```

a. Cek apakah matriks tersebut konsisten dan Cek type data

```
else:
print("matrik tidak konsisten")
     2_D_153.docx - Microsoft Word
   References Mailings Review View
                                                                           X
 Python 3.6.3 Shell
 File Edit Shell Debug Options Window Help
 Python 3.6.3 (v3.6.3:2c5fed8, Oct 3 2017, 17:26:49) [MSC v.1900 32 bit (Intel)]
  on win32
 Type "copyright", "credits" or "license()" for more information.
  ====== RESTART: C:\Users\lenovo\Documents\3 D 153\satu.py =====
 matriks konsisten
 matriks konsisten
 matrik tidak konsisten
 semua isi matriks adalah angka
 semua isi matriks adalah angka
 tidak semua isi matriks adalah angka
```

b. Mengambil ukuran matriks

```
def ordo(n):
    x,y = 0,0
    for i in rende(len(n)):
        x++1
        y = len(n[i])
    print("mempunyai ordo "+str(x)+"x"+str(y))

ordo(a)
    ordo(b)
    ordo(d)
    ordo(e)

mempunyai ordo 2x2
    mempunyai ordo 2x2
    mempunyai ordo 3x2
    mempunyai ordo 2x3
```

c. Menjumlahkan 2 matriks

```
ukuran sama
[[6, 8], [10, 12]]
ukuran beda
```

d. Mengalikan 2 matriks

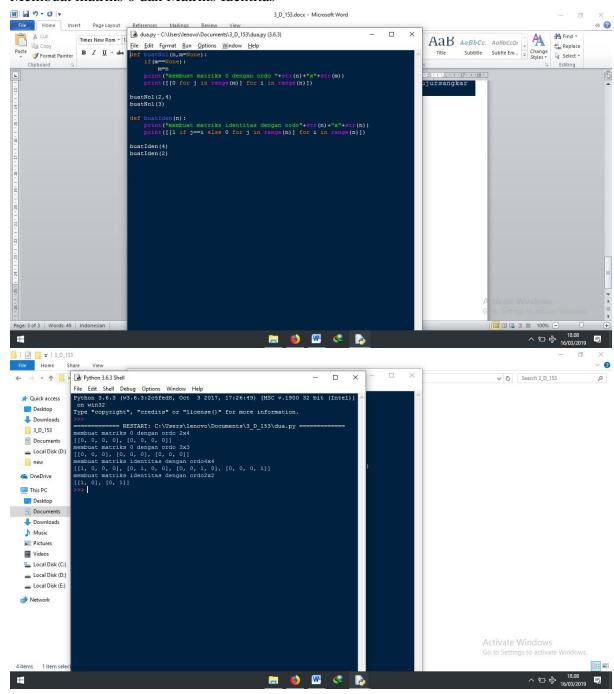
```
bisa dikalikan
[[14], [14]]
bisa dikalikan
[[19, 22], [43, 50]]
bisa dikalikan
[[19, 22, 25], [43, 50, 57]]
tidak memenuhi syarat
```

## e. Menghitung Determinan

```
| Button | College | Colle
```

## 2. List Comprehension

Membuat matriks 0 dan Matriks Identitas



## 3. Linked List

Mencari data tertentu Menambah simpul di awal dan akhir Menyisipkan simpul di posisi tertentu Menghapus simpul di posisi tertentu

```
iga.py - C:\Users\lenovo\Documents\3_D_153\tiga.py (3.6.3)
                                                                                                                                                                                                                                                                                                                              - 0 ×
clse:
    current = self.head = while (current.next != None):
        current = current.next current.next = Node(data)
    return self.head |
        neset (self.data,pos):
    node = Node(data)
    in to self.head = self.head:
    self.head = node
elif.pos==0;
                  self.head node
elif pos==0:
   node.next = self.head
   self.head = node
         else:

prev = None

ourrent = self.head

ourrent pos = 0

while (current pos < pos) and current.next:

prev = current

ourrent = current.next

ourrent_pos +=1

prev.next = node

node.next = current

return self.head

def deletelode (self, position):

if self.head == None:

return
                                                                                                                                                                                                                                                                                                          ヘ 9□ 中 18.09 5
16/03/2019 5
                                                                                                                                                     🗎 🔞 🞹 🔇 🗟
iga.py - C:\Users\lenovo\Documents\3_D_153\tiga.py (3.6.3)
return
next = temp.next.next
temp.next = None
temp.next = next
search(self x):
current = self.head
while current != None:
if current.data ==
return "True"
                 return "True"

return "True"

return "False"

display(self):
current = self.head

while current is not None:
   print(current.data, end = ' ')
   current = current.next
                                                                                                                                                                                                                                                                                                           ^ 18.10 ■ 16/03/2019 ■
                                                                                                                                                     🗎 🕴 🕨 🔇 🕞
                                               ====== RESTART: C:\Users\lenovo\Documents\3 D 153\tiga.py ==
                       True
                       False
```

## 4. Doubly Linked List

Mengunjungi dan mencetak dari depan dan belakang

