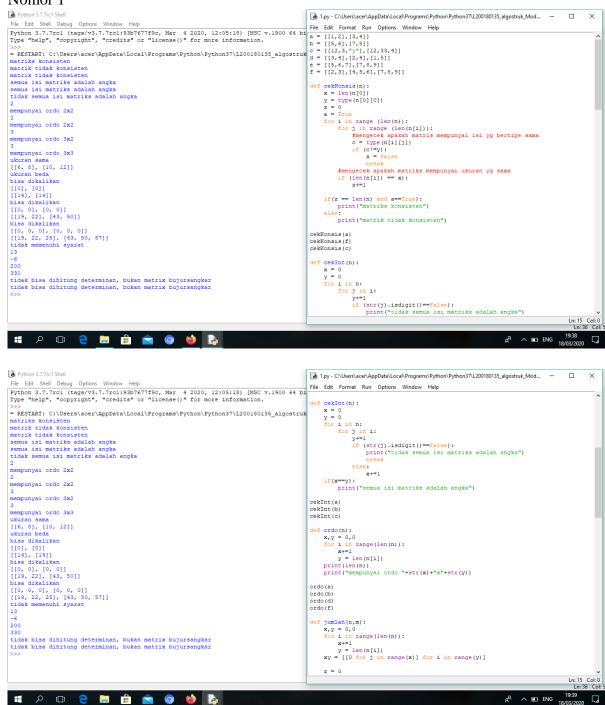
Nama: Anisa Ghoyatul Firdaus

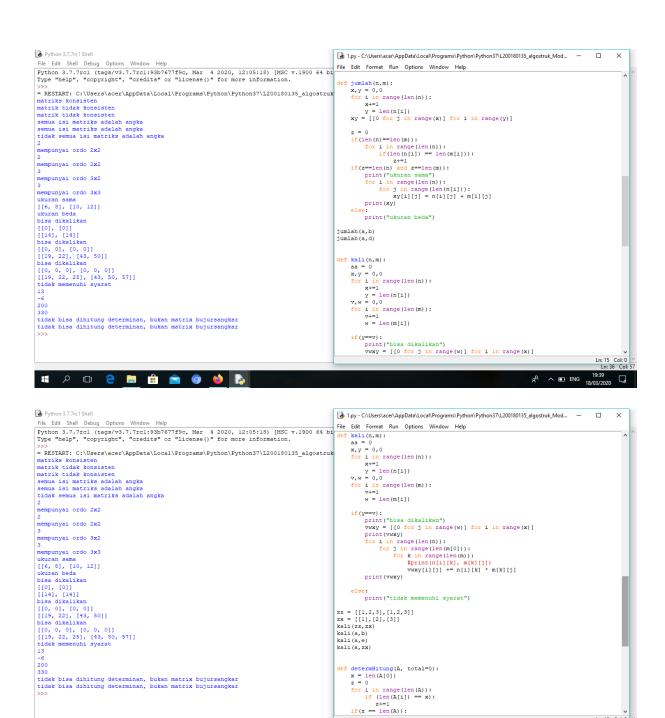
NIM : L200180135

Kelas: E

Tugas modul 3

1. Nomor 1





Ln: 15 Col: 0

g^Q ∧ □ ENG 19:39

```
Python 3.7.7rc1 Shell
                                                                                                                                                                                                                   1.pv - C:\Users\acer\AppData\Loca\Programs\Pvthon\Pvthon37\L200180135 algostruk Mod... —
                                                                                                                                                                                                                                                                                                                                                                                                       File Edit Shell Debug Options Window Help
Python 3.7.7rcl (tagg/v3.7.7rcl:93b7677f9c, Mar 4 2020, 12:05:18) [MSC v.1900 64 b;
Type "help", "copyright", "credits" or "license()" for more information.
                                                                                                                                                                                                                     File Edit Format Run Options Window Help
                                                                                                                                                                                                                    def determHitung(A, total=0):
 >>> = RESTART: C:\Users\acer\AppData\Local\Programs\Python\Python37\L200180135_algostru}
= RESTART: C:\Users\acer\apphata\Loce
matriks konsisten
matrik tidak konsisten
matrik tidak konsisten
semua isi matriks adalah angka
semua isi matriks adalah angka
tidak semua isi matriks adalah angka
 mempunyai ordo 2x2
2
mempunyai ordo 2x2
                                                                                                                                                                                                                                               val = A[0][0] * A[1][1] - A[1][0] * A[0
return val
for fo in indices:
    As = A
    As = As[1:]
    height = len(As)
    for i in range(height):
        As[1] = As[i][0:fc] + As[i][fc+1:]
        sign = (-1) ** (fc % 2)
        sub det = determiftung(As)
        total += sign * A[0][fc] * sub_det
  3
mempunyai ordo 3x2
mempunyal ordo 3x2 3 mempunyal ordo 3x3 ukuran sama [[6, 8], [10, ukuran beda bisa dikalikan [[0], [0]] [[14], [14]] bisa dikalikan [[0, 0], [0, 0]] [[19, 22], [43, 50]] bisa dikalikan [[0, 0, 0], [0, 0, 0]] [[19, 22, 25], [43, 50, 57]] tidak memenuhi syarat 13
                                                                                                                                                                                                                                                e:
return "tidak bisa dihitung determinan, bukan matrix bujursangkar"
                                                                                                                                                                                                                             return "tidak bisa dihitung determinan, bukan matrix bujursangk
else: return "tidak bisa dihitung determinan, bukan matrix bujursangkar"
return total
                                                                                                                                                                                                                  \begin{split} z &= [(3,1],(2,5]] \\ x &= [(1,2,1],(3,3,1],(2,1,2)] \\ v &= [(1,-2,0,0],\\ (3,2,-3,1],\\ (4,0,5,1),\\ (2,3,-1,4)] \\ r &= [(10,23,4,4],\\ (1,2,3,4,5],\\ (1,2,3,4,6],\\ (1,2,3,4,6],\\ (1,2,3,4,6),\\ (1,4,5,6,10)] \end{split}
                                                                                                                                                                                                                                                                                                                                                                                                         Ln: 15 Col: 0
                                                                                                                                                                                                                                                                                                                                                            g<sup>Q</sup> ∧ ■ ENG 19:39
18/03/2020
  Python 3.7.7rc1 Shell
                                                                                                                                                                                                                   1.py - C:\Users\acer\AppData\Local\Programs\Python\Python37\L200180135_algostruk_Mod... —
                                                                                                                                                                                                                                                                                                                                                                                                                      X
                                                                                                                                                                                                                                                                                                                                                                                                       Fython 3.7.7rcl (tags/v3.7.7rcl:93b7677f9c, Mar 4 2020, 12:05:18) [MSC v.1900 64 bi
Type "help", "copyright", "credits" or "license()" for more information.
                                                                                                                                                                                                                  File Edit Format Run Options Window Help
                                                                                                                                                                                                                               if (z == len(A)):
    if (x==len(A)):
        indices =:
                                                                                                                                                                                                                                                x==len(A)):
if len(A) == 2 and len(A(0)) == 2:
    val = A[0][0] * A[1][1] - A[1][0] * A[0][1]
    return val

for fc in indices:
    As = As
    As = As[1:]
    height = len(As)
    for i in range(height):
        As[i] = As[i][0:fc] + As[i][fc+1:]
        sign = (-1) ** (fc % 2)
        sub_det = determitting(As)
        total += sign * A[0][fc] * sub_det
et
  = RESTART: C:\Users\acer\AppData\Local\Programs\Python\Python37\L200180135_algostruk
- RESTART: C:\Users\acer\appData\Locs
matriks konsisten
matrik tidak konsisten
matrik tidak konsisten
semua isi matriks adalah angka
semua isi matriks adalah angka
tidak semua isi matriks adalah angka
 mempunyai ordo 2x2
  mempunyai ordo 2x2
 mempunyai ordo 3x2
                                                                                                                                                                                                                                      else:
return "tidak bisa dihitung determinan, bukan matrix bujursangkar"
mempunyai ordo 3x2 3
mempunyai ordo 3x3 ukuran sama
[[6, 8], [10, ukuran beda bisa dikalikan [[0], [0]]
[[14], [14]] bisa dikalikan [[0, 0], [0, 0]]
[[19, 22], [43, 50]] bisa dikalikan [[0, 0, 0], 0, 0]]
[[19, 22, 25], [43, 50, 57]] tidak memenuhi syarat 13
                                                                                                                                                                                                                            eise:
return "tidak bisa dihitung determinan, bukan matrix bujursangkar"
return total
                                                                                                                                                                                                                 z = [[3,1],[2,5]]

x = [[1,2,0,0],

[3,2,3,1],

[4,0,5,1],

[2,3,-1,4]]

r = [[10,23,45,12,13],

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

[1,2,3,4,6],

[4,2,3,4,6],

[4,2,3,4,6],

[1,4,5,6,10]]

print (determfitumg(x))

print (determfitumg(y))

print (determfitumg(y))

print (determfitumg(y))

print (determfitumg(d))

print (determfitumg(d))

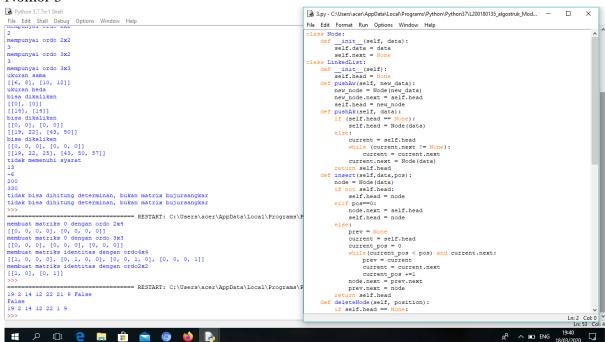
print (determfitumg(d))
```

Ln: 15 Col: 0

2. Nomor 2

```
| Description |
```

3. Nomor 3



```
Python 3.7.7rc1 Shell
                                                                                                                                                                                                                  3.py - C:\Users\acer\AppData\Local\Programs\Python\Python37\L200180135_algostruk_Mod... —
 File Edit Shell Debug Options Window Help
                                                                                                                                                                                                                  File Edit Format Run Options Window Help

def deleteNode(self, position):
    if self.head == None:
  mempunyai ordo 2x2
                                                                                                                                                                                                                                      return
temp = self.head
  mempunyai ordo 3x2
                                                                                                                                                                                                                                    temp = self.head
if position == 0;
self.head * temp.next
temp = None
return
for i in range(position);
prev = temp
temp = temp.next
if temp is None;
herek
if temp is None;
 3
mempunyai ordo 3x3
ukuran sama
[[6, 8], [10, 12]]
ukuran beda
bisa dikalikan
 bisa dikalikan
[[0, [0]]
[[14], [14]]
bisa dikalikan
[[0, 0], [0, 0]]
[[19, 22], [43, 50]]
bisa dikalikan
[[0, 0, 0], [0, 0, 0]]
[[19, 22, 25], [43, 50, 57]]
tidak memenuhi syarat
                                                                                                                                                                                                                                    if temp.next is None:
                                                                                                                                                                                                                                    prev.next = temp.next
temp= None
                                                                                                                                                                                                                          def search(self, x):
    current = self.head
    while current != None:
        if current.data == x:
            return "True"
            current = current.next
            return "False"
 330
tidak bisa dihitung determinan, bukan matrix bujursangkar
tidak bisa dihitung determinan, bukan matrix bujursangkar
>>>
                                                                                                                                                                                                                         current = car
return "False"

def display(self):
    current = self.head
    while current is not None:
        print(current.data, end = ' ')
        current = current.next
                                                                                    === RESTART: C:\Users\acer\AppData\Local\Programs\H
 RESTART: C:\Users\ac membuat matriks 0 dengan ordo 2x4 [[0, 0, 0, 0, 0], [0, 0, 0, 0]] membuat matriks 0 dengan ordo 3x3 [[0, 0, 0], [0, 0, 0], [0, 0, 0]] membuat matriks identitas dengan ordo4x4 [[1, 0, 0, 0], [0, 1, 0], [0, 1, 0], [0, 0, 1]] membuat matriks identitas dengan ordo2x2 [[1, 0], [0, 1]]
                                                                                                                                                                                                                 llist = LinkedLi
llist.pushAw(21)
llist.pushAw(22)
llist.pushAw(12)
llist.pushAw(2)
llist.pushAw(2)
                                                              RESTART: C:\Users\acer\AppData\Local\Programs
 19 2 14 12 22 21 9 False
False
19 2 14 12 22 1 9
```

4. Nomor 4

