PRAKTIKUM ALGORITMA DAN STRUKTUR DATA

Modul 3

Array



Disusun oleh:

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G

PROGRAM STUDI TEKNIK INFORMATIKA

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1. Kode Program

nomor1.py - C:/Kuliah/SEMESTER 4/Praktikum ASD/modul 3/nomor1.py (3.8.5)

```
File Edit Format Run Options Window Help
#DoniWahyuSaputro
#L200200169
A = [[1,2],[3,4],[5,6]]
B = [[7,8],[9,10]]
C = [[3,6],[5,2]]
#Nomor 1A
class matriks (object):
   def cetakmatriks(self, matriks):
       for i in matriks:
            print(i)
    def cekkonsisten(self, matriks):
       if len(matriks[0]) == len(matriks):
            print ("matriks konsisten")
            print ("matriks tidak konsisten")
x = matriks()
x.cetakmatriks(A)
print(x.cekkonsisten(A))
y = matriks()
y.cetakmatriks(B)
print(y.cekkonsisten(B))
#Nomor 1B
def oedo(matriks):
    return ("Ordo matriks ="+str(len(matriks))+" x "+str(len(matriks[0])))
def Jumlah(matriks1, matriks2):
    if ordo(matriks1) == ordo(matriks2):
        for x in range(0, len(matriks1)):
            for y in range(0, len(matriks1[0])):
                 print (matriks1[x][y] + matriks2[x][y],' '),
            print()
    else:
        print("Matriks tidak sesuai")
#Nomor 1D
def kali(m,n):
   a = 0
x,y = 0,0
for i in range(len(m)):
    x += 1
        y = len(m[i])
```

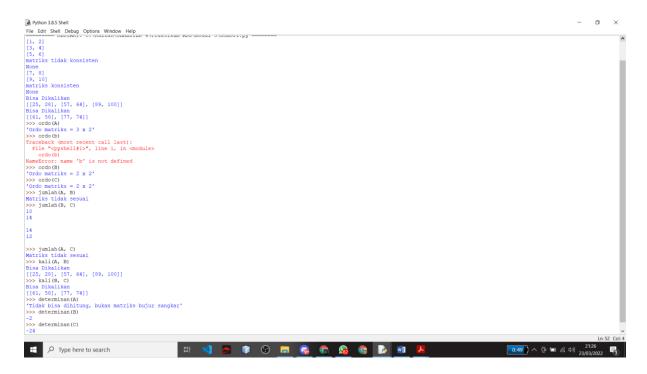
```
v,w = 0,0
for i in range(len(n)):
    v += 1
         w = len(n[i])
     if (y == v):
         print("Tidak memenuhi syarat")
kali(A,B)
kali(B,C)
#Nomor 1E
def determinan(p, total = 0):
    x = len(p[0])
z = 0
     for i in range(len(p)):
    if (len(p[i]) == x):
    z += 1
if (z == len(p)):
         return val

for fc in indices:

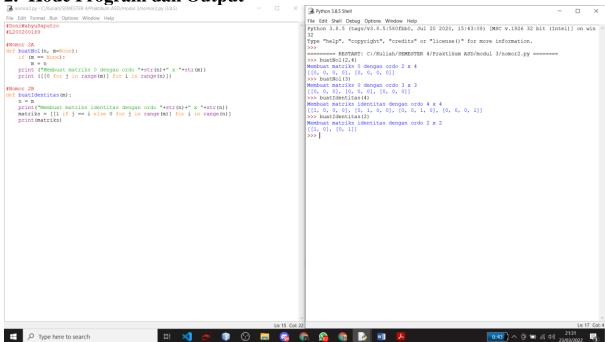
pq = p

pq = pq[1:]
                   height = len(pq)
for i in range(height):
                   pq[i] = pq[i][0:fc] + pq[i][fc+1:]
sign = (-1) ** (fc % 2)
sub_det = determinanHitung(pq)
total += sign * A[0][fc] * sub_det
         else:
             return "Tidak bisa dihitung, bukan matriks bujur sangkar"
          return "Tidak bisa dihitung, bukan matriks bujur sangkar"
     return total
```

Output



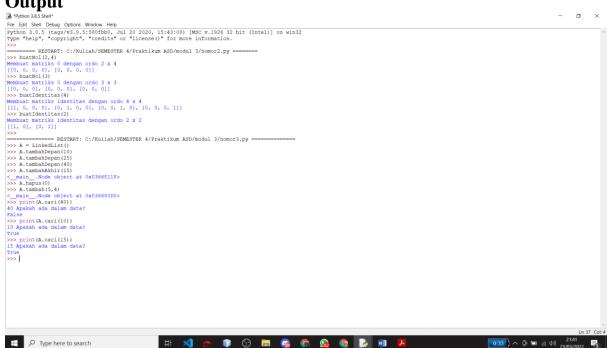
2. Kode Program dan Output Annor/2 py - Cyfullah/SSIMSTER 4/Praktikum ASD/modul 3/nomor/2 py (3.8.5)



3.Kode Program

```
temp = None
       return
    for i in range(posisi - 1):
       temp = temp.next
       if temp is None:
          break
    if temp is None:
       return
    if temp.next is None:
       return
    next = temp.next.next
    temp.next = None
    temp.next = next
def cari(self,x):
    current = self.head
    while current != None:
       if current.data == x:
           print(x, "Apakah ada dalam data?")
           return True
        current = current.next
    print(x,"Apakah ada dalam data?")
    return False
def display(self):
    current = self.head
    while current is not None:
       print(current.data, end = ' ')
       current = current.next
```

Output



4. Kode Program dan Output

