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NIM : L200180115

TUGAS PRAKTIKUM MODUL 3

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Nomor1.py - /Users/ryanandityamangala/Downloads/L200180123_Algostruk_... Python 3.8.2 Shell
Python 3.8.2 (v3.8.2:7b3ab5921f, Feb 24 2020, 17:52:18)
[Clang 6.0 (clang-600.0.57)] on darwin
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: /Users/ryanandityamangala/Downloads/L200180123_Algostruk_Modul3/No
mor1.py
[1, 2]
[3, 4]
[5, 6]
matriks tidak konsisten
None
[7, 8]
[9, 10]
matriks konsisten
None
Bisa Dikalikan
[[25, 28], [57, 64], [89, 100]]
Bisa Dikalikan
[[61, 58], [77, 74]]
>>>

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[1]):
            print ("matriks konsisten")
        else:
            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 ordo(matriks):
    return ("Ordo matriks = "+str(len(matriks))+" x "+str(len(matriks[0])))

#Nomor 1C
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

Ln: 11 Col: 0
```

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Nomor2.py - /Users/ryanandityamangala/Downloads/L200180123_Algostruk_... Python 3.8.2 Shell
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mor2.py
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[7, 8]
[9, 10]
matriks konsisten
None
Bisa Dikalikan
[[25, 28], [57, 64], [89, 100]]
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>>>
= RESTART: /Users/ryanandityamangala/Downloads/L200180123_Algostruk_Modul3/No
mor2.py
>>> buatNol(2,3)
Membuat matriks 0 dengan ordo 2 x 3
[[0, 0, 0], [0, 0, 0]]
>>> buatIdentitas(4)
Membuat matriks identitas dengan ordo 4 x 4
[[1, 0, 0, 0], [0, 1, 0, 0], [0, 0, 1, 0], [0, 0, 0, 1]]
>>>

#Nomor 2A
def buatNol(n, m=None):
    if (m == None):
        m = n
    print ("Membuat matriks 0 dengan ordo "+str(n)+" x "+str(m))
    print ([[0 for j in range(m)] for i in range(n)])

#Nomor 2B
def buatIdentitas(m):
    n = m
    print("Membuat matriks identitas dengan ordo "+str(n)+" x "+str(n))
    matriks = [[1 if j == i else 0 for j in range(m)] for i in range(n)]
    print(matriks)

Ln: 3 Col: 19
```

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= RESTART: /Users/ryanandityamanggala/Downloads/L200180123_Algostruk_Modul3/No
mor3.py
12 Apakah ada dalam data?
True
90 Apakah ada dalam data?
False
12 31 3 19
>>> |

Ln: 13 Col: 0 Ln: 34 Col: 4
```

```
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