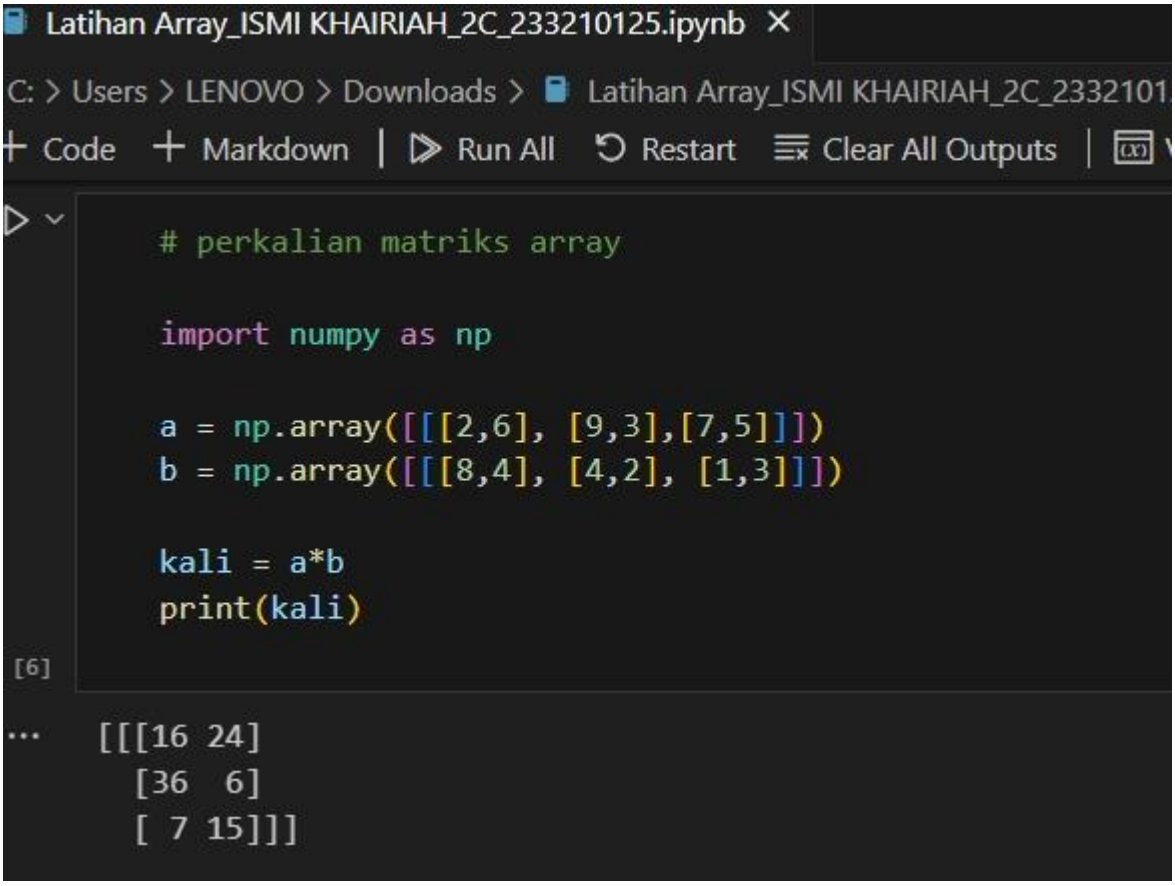
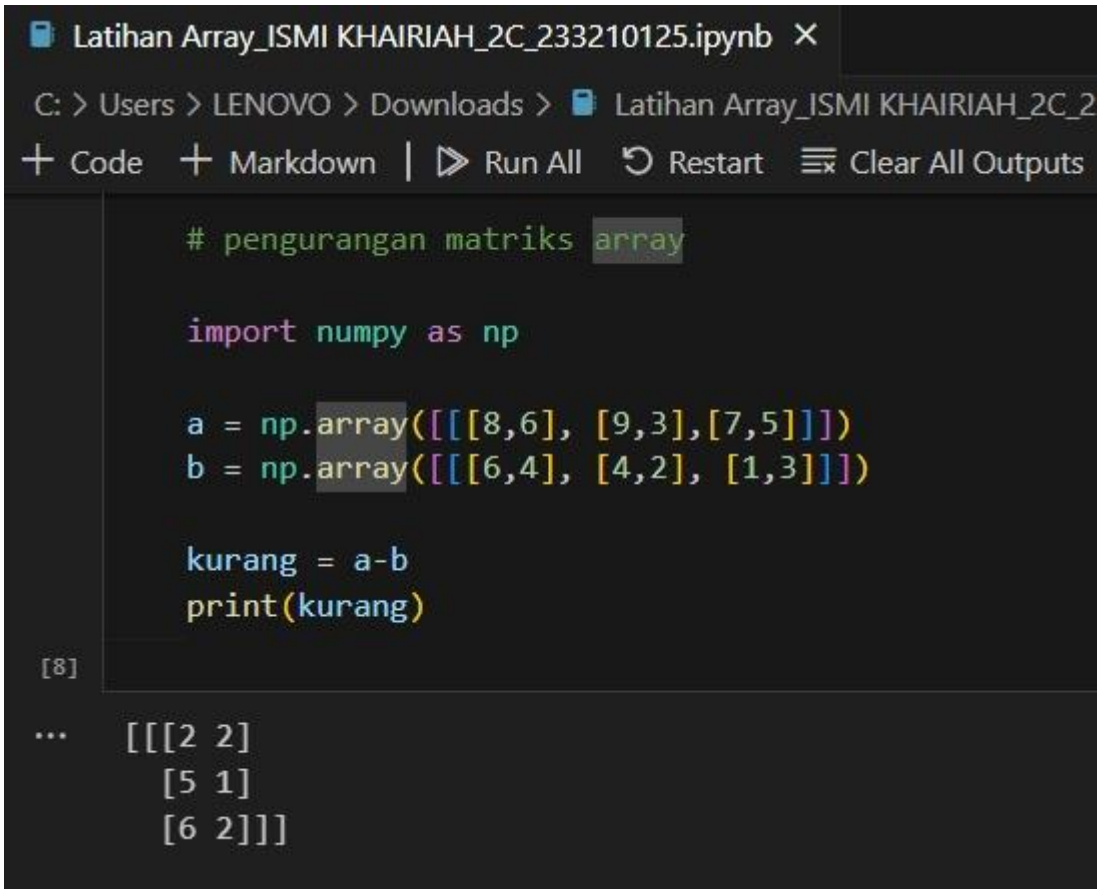

Latihan Array_ISMI KHAIRIAH_2C_233210125.ipynb
C: > Users > LENOVO > Downloads > Latihan Array_ISMI KHAIRIAH_2C_2332101
Code
Markdown
Run All
Restart
Clear All Outputs
# perkalian matriks array
import numpy as np
a = np.array([[[2,6], [9,3],[7,5]]])
b = np.array([[[8,4], [4,2], [1,3]]])
kali = a*b
print(kali)
[6]
[[[16 24]
[36 6]
[7 15]]]


Latihan Array_ISMI KHAIRIAH_2C_233210125.ipynb
C: > Users > LENOVO > Downloads > Latihan Array_ISMI KHAIRIAH_2C_2
Code
Markdown
Run All
Restart
Clear All Outputs
# pengurangan matriks array
import numpy as np
a = np.array([[[8,6], [9,3],[7,5]]])
b = np.array([[[6,4], [4,2], [1,3]]])
kurang = a-b
print(kurang)
[8]
[[[2 2]
[5 1]
[6 2]]]

Latihan Array_ISMI KHAIRIAH_2C_233210125.ipynb

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+ Code + Markdown | Run All Restart Clear All Outputs | Variables Outline

```python
# transpose matriks array

import numpy as np

a = np.array([[8,6,7], [9,3,4], [5,9,8]])
b = np.array([[6,4,7], [4,2,5], [1,3,3]])

transpose_a = np.transpose (a)
transpose_b = np.transpose (b)
print (transpose_a)
print ( transpose_b)
```

[21]

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

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```python
# inverse matriks array

import numpy as np

a = np.array([[1,2], [9,3]])
b = np.array([[7,4], [ 6,3]])

inverse_a = np.linalg.inv(a)
inverse_b = np.linalg.inv(b)
print("\nInverse matrkis a:")
print(inverse_a)
print("\nInverse matrkis b:")
print(inverse_b)
```

[41]

```
Inverse matrkis a:
[[-0.2         0.13333333]
 [ 0.6        -0.06666667]]
```

Latihan Array_ISMI KHAIRIAH_2C_233210125.ipynb

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+ Code + Markdown | Run All Restart Clear All Outputs | Va

```
Inverse matrkis a:
[[-0.2         0.13333333]
 [ 0.6        -0.06666667]]

Inverse matrkis b:
[[-1.          1.33333333]
 [ 2.         -2.33333333]]
```

```
# determinan matriks array

import numpy as np

a = np.array([[8,2], [6,9]])
b = np.array([[2,5], [ 4,2]])

determinan_a = np.linalg.det(a)
determinan_b = np.linalg.det(b)
print("Determinan dari matriks a:", determinan_a)
print("Determinan dari matriks b:", determinan_b)
```

[39]

```
# determinan matriks array

import numpy as np

a = np.array([[8,2], [6,9]])
b = np.array([[2,5], [ 4,2]])

determinan_a = np.linalg.det(a)
determinan_b = np.linalg.det(b)
print("Determinan dari matriks a:", determinan_a)
print("Determinan dari matriks b:", determinan_b)
```

```
39]

Determinan dari matriks a: 59.999999999999986
Determinan dari matriks b: -15.999999999999998
```