

3_indexing_slicing

May 16, 2019

```
In [ ]: import numpy as np
```

```
In [ ]: test_exmaple = np.array([[1, 2, 3], [4.5, 5, 6]], int)
      test_exmaple
```

```
In [ ]: test_exmaple[0][0]
```

```
In [ ]: test_exmaple[0,0]
```

```
In [ ]: test_exmaple[0,0] = 10 # Matrix 0,0 12
      test_exmaple
```

```
In [ ]: test_exmaple[0][0] = 5 # Matrix 0,0 12
      test_exmaple[0,0]
```

slicing

```
In [ ]: test_exmaple = np.array([
      [1, 2, 5,8], [1, 2, 5,8],[1, 2, 5,8],[1, 2, 5,8]], int)
      test_exmaple[:2,:]
```

```
In [ ]: print(test_exmaple[:,1:3] )
      print(test_exmaple[1,:2] )
```

```
In [ ]: test_exmaple = np.array([[1, 2, 3, 4, 5], [6, 7, 8, 9, 10]], int)
      test_exmaple[:,2:] # Row 2
```

```
In [ ]: test_exmaple[1,1:3] # 1 Row 1 ~ 2
```

```
In [ ]: test_exmaple[1:3] # 1 Row ~ 2Row
```

```
In [ ]: a = np.arange(100).reshape(10,10)
      a
```

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In [ ]: a[:, -1]
```

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In [ ]: a[:, -1].reshape(2, 5)
```

```
In [ ]:
```