

مرحباً طلابي:

أردت توضيح بعض النقاط في هذا الدرس:

طريقة الحصول على قطعة من المصفوفة علمنا أنها بهذه الطريقة

```
In [1]: import numpy as np
arr = np.arange(50).reshape(5,10)
arr
```

```
Out[1]: array([[ 0,  1,  2,  3,  4,  5,  6,  7,  8,  9],
               [10, 11, 12, 13, 14, 15, 16, 17, 18, 19],
               [20, 21, 22, 23, 24, 25, 26, 27, 28, 29],
               [30, 31, 32, 33, 34, 35, 36, 37, 38, 39],
               [40, 41, 42, 43, 44, 45, 46, 47, 48, 49]])
```

```
In [2]: arr[1:3,3:5]
```

```
Out[2]: array([[13, 14],
               [23, 24]])
```

هذه الصورة توضح فكرة أخذ قطعة من المصفوفة

```
In [31]: arr = np.arange(50).reshape(5,10)
arr
```

```
Out[31]: array([[ 0,  1,  2,  3,  4,  5,  6,  7,  8,  9],
                [10, 11, 12, 13, 14, 15, 16, 17, 18, 19],
                [20, 21, 22, 23, 24, 25, 26, 27, 28, 29],
                [30, 31, 32, 33, 34, 35, 36, 37, 38, 39],
                [40, 41, 42, 43, 44, 45, 46, 47, 48, 49]])
```