NumPy Advanced Indexing

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1 1-D Array

```
[2]: import numpy as np
    #syntex 1 -> a[list]]
    a = np.array([10,20,30,40,50,60,70,80,90])
    b = np.array([2,0,7])
    x = a[b]
    x
[2]: array([30, 10, 80])
```

```
[3]: #syntex 2 -> a[indexes]]
b=a[[2,0,7]]
b
```

[3]: array([30, 10, 80])

2 2-D Array

```
[4]: #syntex-> a[[row indexes],[column indexes]]

a = np.array([[10,20,30],[40,50,60],[70,80,90]])

x = a[[1,2],[2,1]]

x
```

[4]: array([60, 80])

3 3-D Array

```
[5]: #syntex-> a[[which 2D array],[row indexes],[column indexes]]
```

[5]: array([10, 70])