import numpy as np

Array Slicing In Numpy

```
a = np.arange(1,51)
a = a.reshape(10,5)
      array([[ 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, 50]])
a[0]
      array([1, 2, 3, 4, 5])
a[2]
      array([11, 12, 13, 14, 15])
a[0,0]
      1
a[3,4]
      20
a[2:5]
      array([[11, 12, 13, 14, 15],
[16, 17, 18, 19, 20],
               [21, 22, 23, 24, 25]])
a[0:10]
      array([[ 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, 50]])
```

Remember!!! No error for a[0:100]

```
a[0:100]

array([[ 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,  50]])
```