- 1) Numpy: Data Stouture Array & Homo
- (a) 1D r 7

2D [7, J.] (3) 3D (1), 7, 7

Create Manual -> []

Oynamic -> reshape()

· Size · Shape · Aype · type

- ONP.01889C)
- Dnp. avange () min, max, inc
- (3) np. linspace ()-> mio, max, no. of
- @ np. identity (5) shagand as I
- B) np.ones((5)) -> one
- (b) np 20800 (5)) > 2080
- (1) rp. Vandam. Vandam (1) Vandam (1)

Shape: [R,]

Indexing: [R]

Slicing: [R]

 $\left[\mathcal{R} , \mathcal{I} \right]$ [K],[R,C] (alumn indexing) without Row/x

[Center of Reserved of the content o [L] [LoR], [LoR, L] (Row indexing w/o layer) Column indexing w/o L,R)X

Display 1st 804)

a88 [0] ~> [10, 20, 30]

display 1st two 86Ws

988[0:2] ~> [10 20 30]
405060]

display 1-15+ (0)

0188 [0,-1] ~> [30]

60]

display last two col

dis play the past

45 0188 [1] -550

988[1,0]~ [102]

Part

arr [0, 1:3, 1:3]

L) [[5 9]]