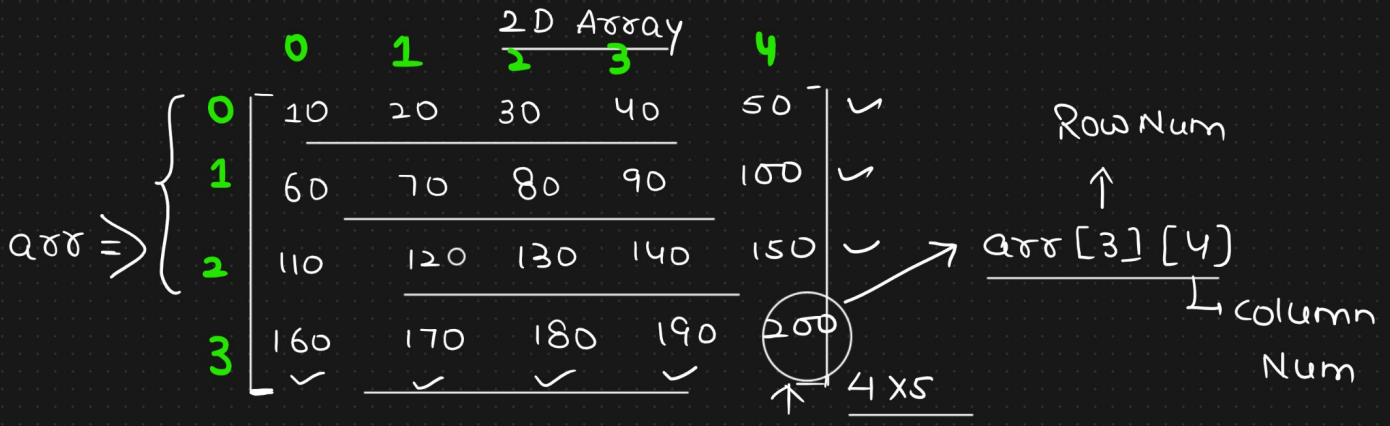

arr[0][0] → Base address → 1000

Row major form

nr = 4
nc = 5

Elements need to skip

$$Loc(arr[3][4]) \Rightarrow 1000 + [(3-0)*5 + (4-0)] * 2$$

$$\Rightarrow 1000 + (15+4)*2$$

$$\Rightarrow 1000 + 38$$

$$\Rightarrow 1038$$

Row major form

$$Loc(arr[i][j]) \Rightarrow \text{Base address} + [(i - lBr)*nC + (j - lBc)] * \text{size of each element}$$

Column major form

$$Loc(arr[i][j]) \Rightarrow \text{Base address} + [(j - lBc)*nR + (i - lBr)] * \text{size of each element}$$