

C Language

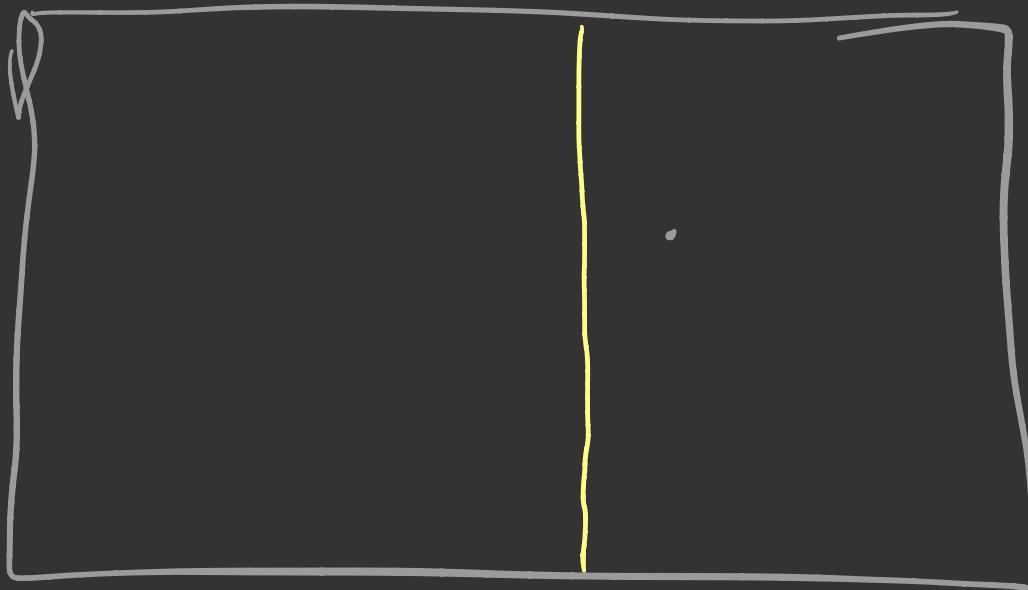
2d Arrays



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Agenda

- ① Two dimensional arrays
- ② Multi dimensional arrays.

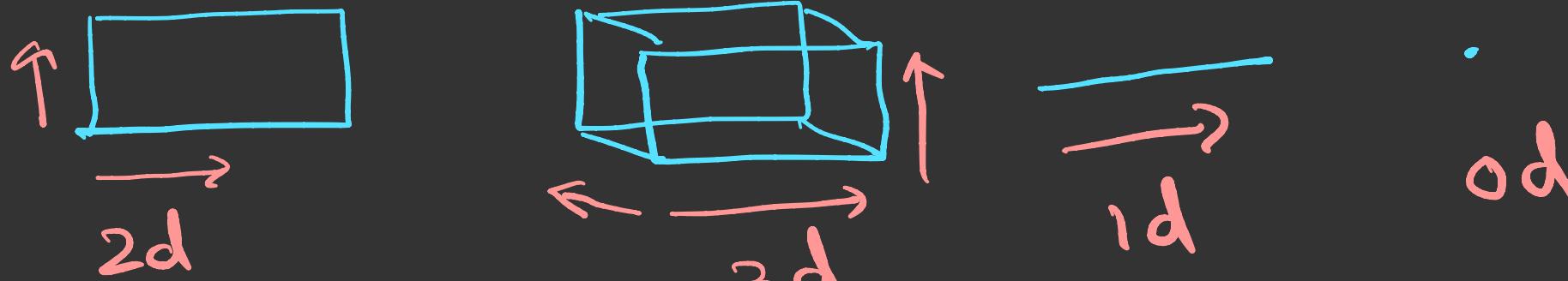


Two dimensional Arrays

int a[6]; One dimensional array

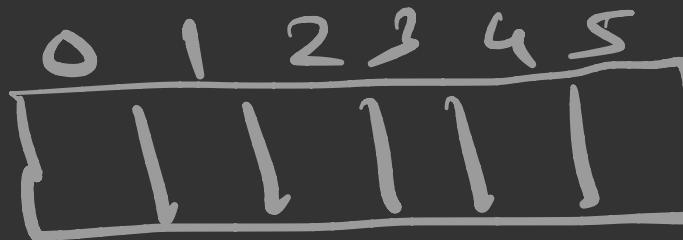
int b[2][3]; two dimensional array

Dimension → Direction of measurement



int c[3][4][2]; three dimensional array

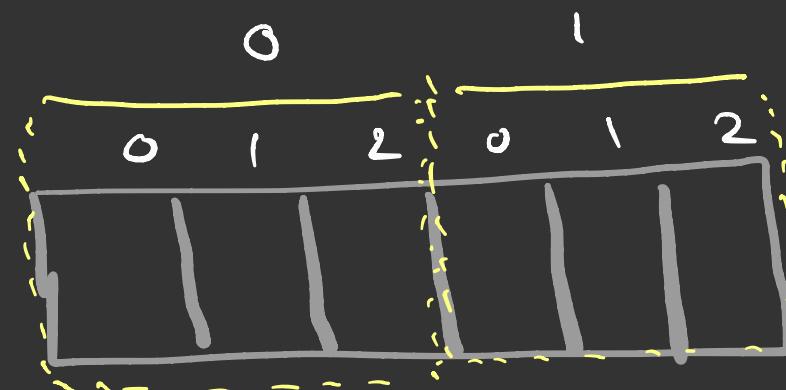
`int a[6];`



`int b[2][3];`

00	10
01	11
02	12

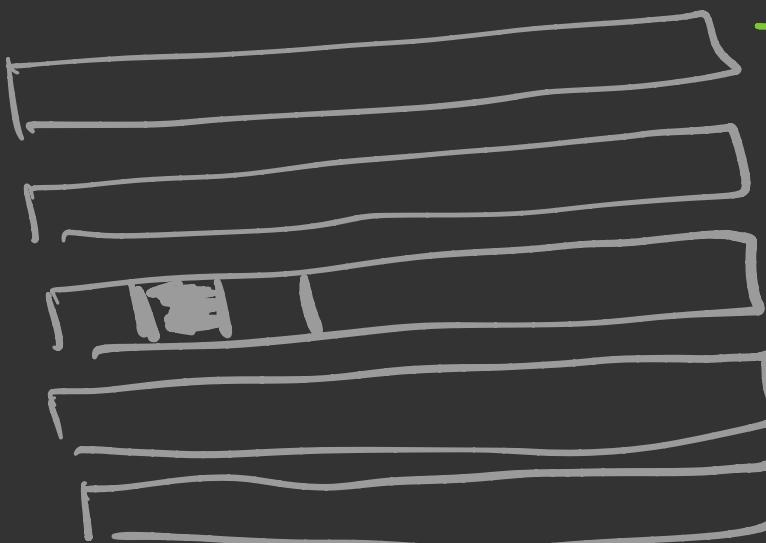
0+1 0+2



3 class 2 student

`int a[5][10];`

0to4 0to9



256

00	19	39
01	20	40
02	21	41
03	22	42
04	23	43
05	24	44
06	25	45
07	26	46
08	27	47
09	28	48
10	29	49
11	30	50
12	31	51
13	32	52
14	33	53
15	34	54
16	35	55
17	36	56
18	37	57
19	38	58
20	39	59
21	40	60
22	41	61
23	42	62
24	43	63
25	44	64
26	45	65
27	46	66
28	47	67
29	48	68
30	49	69
31	50	70
32	51	71
33	52	72
34	53	73
35	54	74
36	55	75
37	56	76
38	57	77
39	58	78
40	59	79
41	60	80
42	61	81
43	62	82
44	63	83
45	64	84
46	65	85
47	66	86
48	67	87
49	68	88
50	69	89
51	70	90
52	71	91
53	72	92
54	73	93
55	74	94
56	75	95
57	76	96
58	77	97
59	78	98
60	79	99

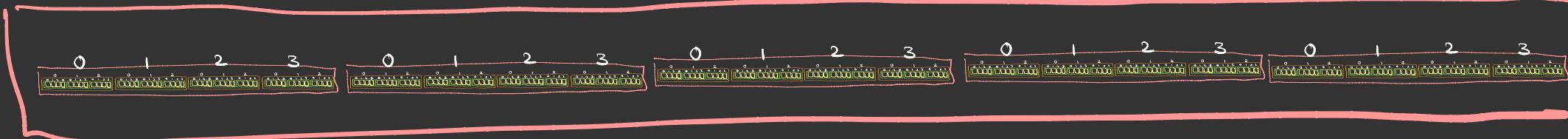
0

1

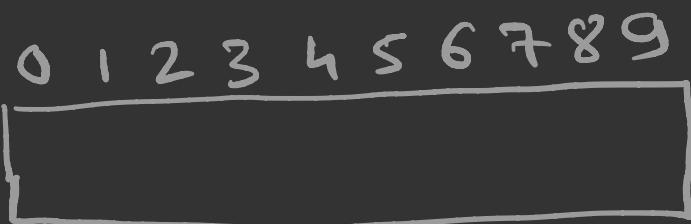
2

3

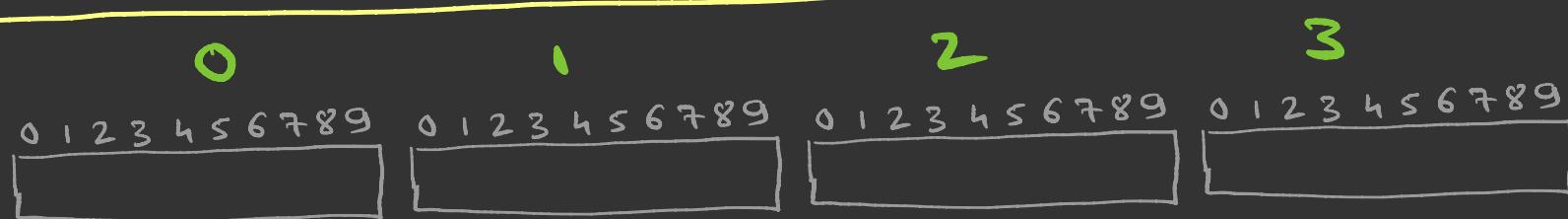
4



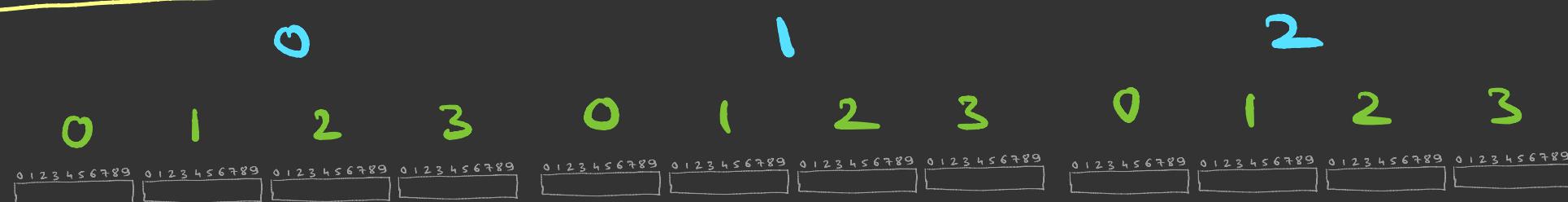
Multidimensional Array



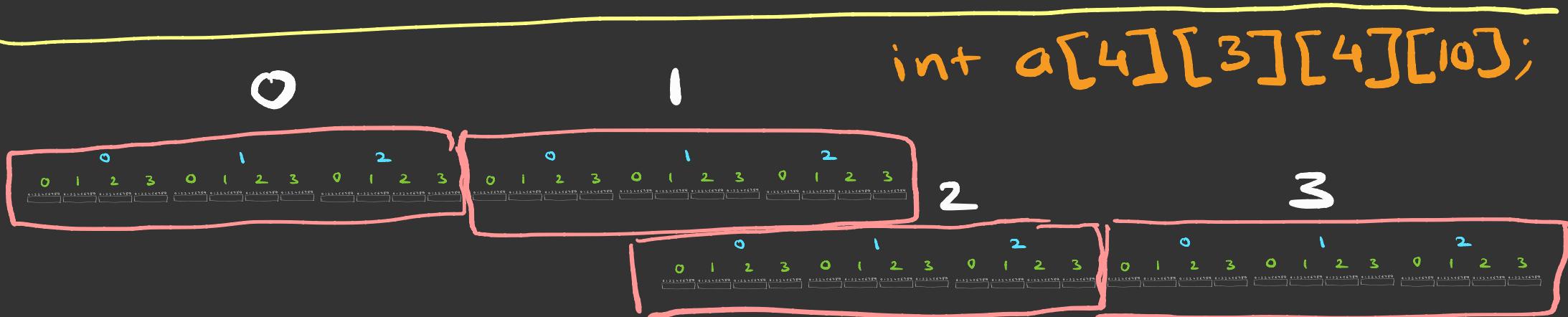
`int a[10];`



`int a[4][10];`



`int a[3][4][10];`



`int a[4][3][4][10];`