

Arrays

→ 1 2 3 4 5 - int
 → a, b, c, d, e, f - char
 → 1.2, 1.6, 2.7 - float

Array → 1D →

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 → 2D →

a	b	c	d	e	f
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→ 1 2 3 4.....

a → [0]

a b c → Input ✓

0	1	2	3
a	b	c	10

 ✓
 (((())))

a[8] ← a b c d e f g

int a[8] ← Array
 int A[9][9]
 Row ↓ Col ↓ a[0] = (a)
 2D → A[R][C] →

	0	1	2	3
0		x		
1			x	
2				a

A[1][2]

A[2][3]

A[0][1]

Pass function

2D Array

2 Program

Array function

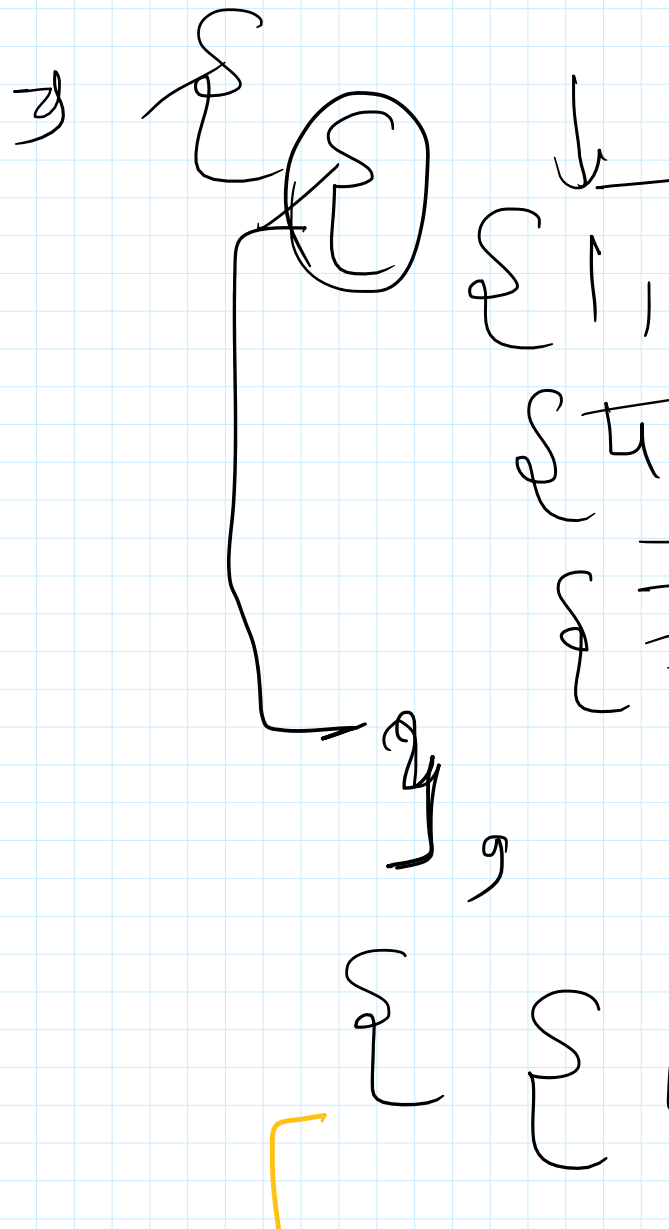
2D Array →

Array

int value [

3D Array

ind AB [3] [3] [3]



on \rightarrow function
Array

\swarrow 1D \nwarrow 2D
] [] []

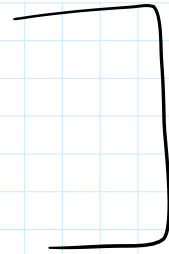


table 1
3] ← 2
3

↓ ↓
2, 3, 9,
→ 1, 5, 6, 9,
→ 4, 8, 9, 9

10, 11, 12, 9,
- 1

2D Array →

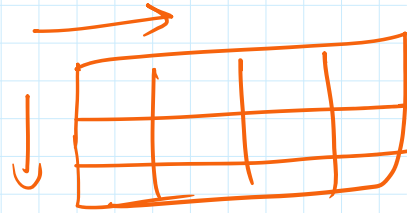
Array

int value [

1D →



2D

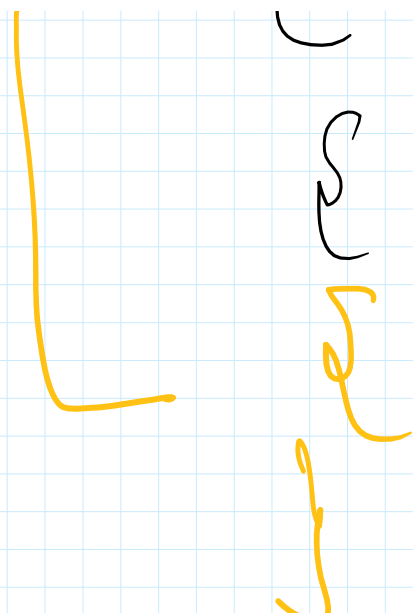
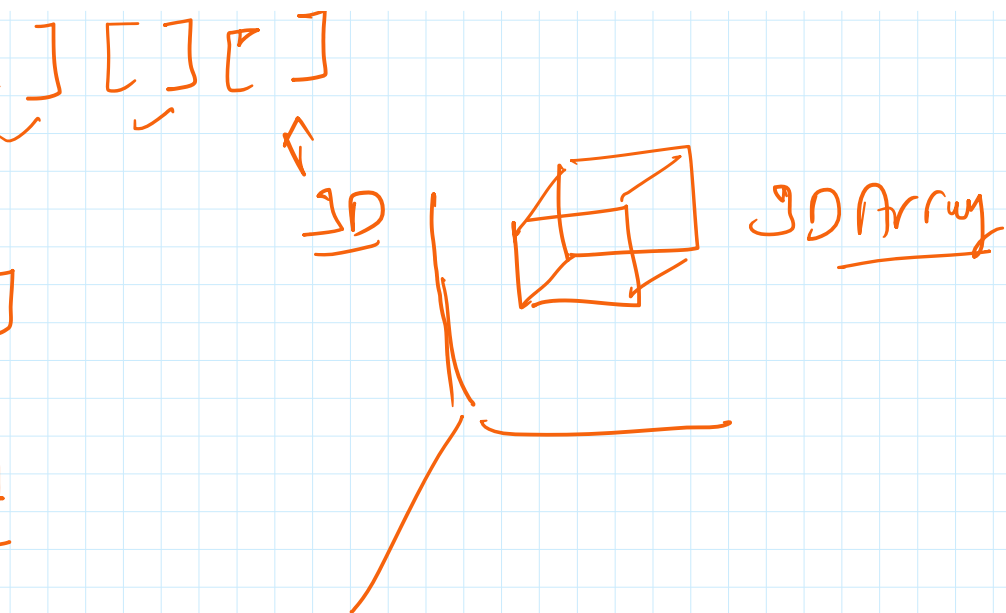


Array →

1D → int

2D → int

2D



Value [8] = { 1, 2, 3, 4, 8, ... }

Value [2][3]

↑ ↑

Rows Col

	0	1
0	1	2
1	2	4

↑ ↑

Col 1 Col 2

= { 5, ..., 9 }

13, 14, 15

16, 17, 18

9, 10

	2
3	
6	

← Row 1

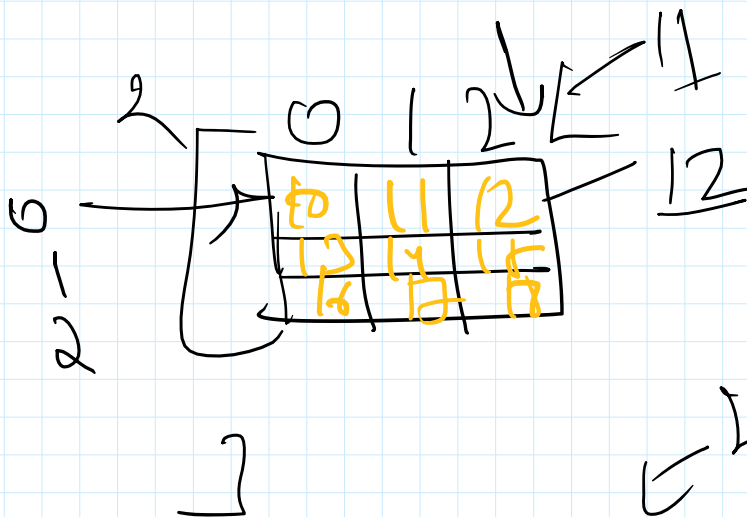
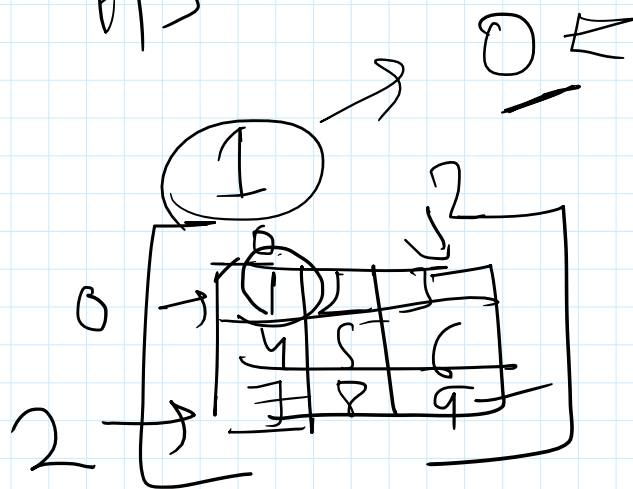
← Row 2

↑

col 2 col 3

20

AB



AB

AB

AB

$$\{1, 2, 3\}, \\ \{2, 4, 6\}$$

$$\text{Value}[1][0] = 2$$

$$\text{Value}[1][1] = 4$$

$$[0][0][0] = 1$$

$$[0][2][2] \rightarrow 9$$

$$[1][0][2] \rightarrow 12$$

$$\text{value } [0][0] = 1$$

$$\text{value } [0][1] = 2$$

$$\text{value } [0][2] = 3$$

20

30

