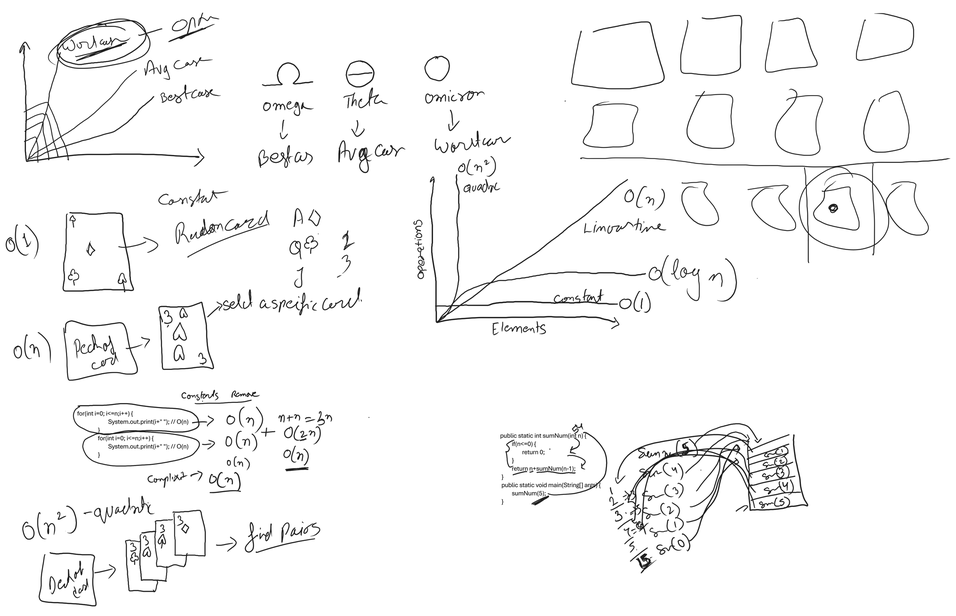


Array

Roll No → [1,2,3,4,5,6] → int

Array's List

Adhar No.
A0014
A0015
A0016

a = 1 2 3 4 5 6 7 → int

"2"

1D Array a =

0	1	2	3	4
1	5	9	12	70

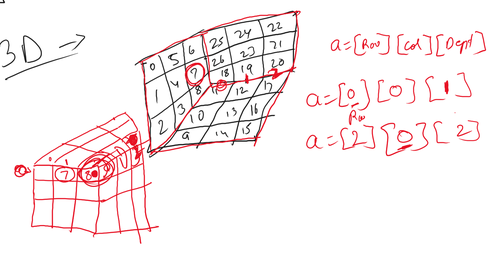
a[2]

a[2]

a[4]

Signal row multiplier

3D →



a=[Row][col][Depth]

a=[0][0][1]

a=[2][0][2]

Two Dim :- Matrix

a =

	col 0	1	2	3	4	5	6
Row 0	1	2	3	4	5	6	7
Row 1	8	9	10	11	12	13	14
Row 2	7	4	8	3	4	9	7

a[Row][Col]

a[1][2] = 10

a[2][6] = 7

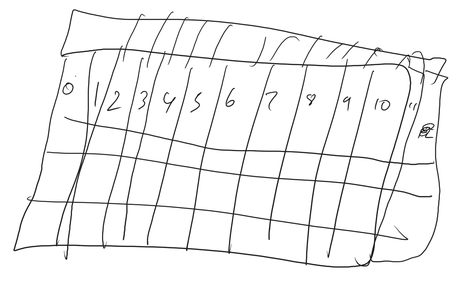
Array in Mem 1D 1,5,9,8,4

Mem →

1	5	9	8	4

3D

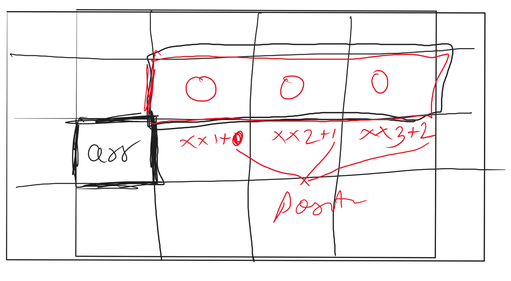
0 1 2
3 4 5
6 7 8
9 10 11



2D

1 2 3
4 5 6
7 8 9

Row 1 Row 2 Row 3



a = [a | b | c | d]

a[0] = e

a[2] = "c"

a[3] = "d"

[e | a | b | c | d]

a[1] = f

if Arr full

Create New Array

a[5]

[e | a | b | c | d | |]

[e | f | a | b | c | d]

Arr = Sequence

Access & Traversing

[a | b | c | d | e]

a[3] = d

a[1] = f

a[3] = d

[a | b | c | d | e]

0 1 2 3 4

a → [10 | 20 | 30 | 40 | 50]

0 1 2

a[2] = x

2D Arr :- Row/Col

Matrix

	0	1	2	3
0	0	7	9	8
1	5	3	4	2
2	4	6	2	1

a =

Arr = [Row] [col]

a = [1][1]

a = [2][3] = 1

0	1	2	3	5	3	4	7	4	8	2	1