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Three Dimensional Array in Java

=> Types of Arrays :-

- 1. Single Dimensional Array
 - -> 1D Array
- 2. Multi-Dimensional Array
 - -> 2D Array
 - -> 3D Array
 - -> 4D, 5D, 6D.... Array
 - -> Zic-Zac Array
- 3. Anonymous Array

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=> 3D Array :-

- -> Diagram representation
- -> How to declare, create and initialize 3D array
 - = Declaration :-
- -> We can declare 3D array by using 3 square braces.

= Creation :-

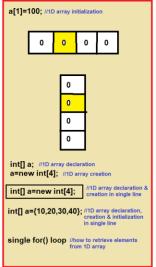
-> We can create an array by using new keyword

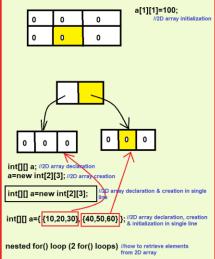
= Retrieve :-

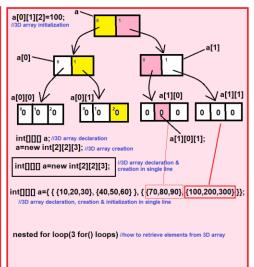
We can retrieve the elements of 3D array by using 3 for loops

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Declaration:-

- 1. int[][][] a;
- 2. int[] [][]a;
- 3. int [][][]a;
- 4. int []a[][];
- 5. int [][]a[];
- 6. int a[][][];

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Cases for Declaration:

- 1. int[][][]a, b; //a & b are 3D array
- 2. int [][]a[],b; //a is 3D array & b is 2D array
- 3. int [][]a[], b[]; //a and b are 3D array

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- 4. int [][][]a, b[]; //a is 3D array & b is 4D array
- 5. int [][][]a, []b; //error

Cases for creation :-

- 1. a=new int[2][2][3]; //correct
- 2. a=new int[2][2][]; //correct
- 3. a=new int[2][][]; //correct
- 4. a=new int[][][]; //error
- 5. a=new int[2][][3]; //error

Company Links & Contacts

Company Name: Smart Programming (+91 62838-30308)

Address: Chandigarh & Mohali (Punjab), India

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