	Chapter 6 - Arrays
W.	Production of least protection which and
	Array is a collection of similar types of data
	Use Case: Storing marks of 5 Students
	int [] marks - mark it [[]] -> [dela Tute A Noval
	int [] marks = new int [5] => [dataType ArrName;]  reference tobject
	-> 5 × 4 = 20 bytes
	marks object
	for intizational strong into
	Accessing Array Elements
	Array elements can be accessed as follows
	marks [0] = 100
	marks [1] = 70
	=> Note that index starts from 0
	mis unser the something and
	marks [4] = 98
	So in a nut shell, this is how array works:
	TOTAL CIRCULAR CON DICK TO TOTAL OR TOT
17	int [] marks; -> lectaration:
	int[] marks; $\rightarrow$ Declaration!  marks = new int[5]; $\rightarrow$ Memory Allocation!
	int [] marks = new int [5]; -> Dechration + Memory Allocation!
	int[] marks = { 100, 70, 80, 71, 98} - Dedare + Initialize!
37	是一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个
	Array indices starts from 0 and gocs till (n-1) where n is the size of the array.
Y	where n is the size of the array.

Array length
Arrays have a length property which gives the
length of the array marks. length > gives 5 if marks is a reference to array with 5 elements Displaying an Array An array can be displayed using a for loop: for (int i = 0; i < marks length; i++) Sout (marks [i]) => Array Transa Quick Quiz: Write a Java program to print the elements of an array in runrse order. For-each bob in Java Array elements can also be traversed as follows: for (int element: Arr) & Sout (element); => Prints all the elements Multidimensional Arrays are Array of Arrays
Each element of a M-D array is an array itself
marks in the previous example was a 1-D array.

Multidimensional 2-D Array A 2-D array can be created as follows: int [][] flats = new int [2][3] We can add elements to this array as follows 2°50 on! This 2-D array can be Visualised as follows: Similarly a 3-D array can be created as follows: String [1[][] arr = new String [2][3][4]