A vurays:-

A Data Structure that holds a fixed numbers of Values of a Single type. Each an away is called an element Value in identified by an index. It is used to Store multiple Values in Single Variable.

One - Dimensional Array:

An array that stores a list of elements in a Single row. used to istore sequence of Values

3gntax: int marks [] = new int [50]; Two-Dimensional Array:

An array of avoising, effectively forming guid or table with rows and columns.

Syntax: int marks [][] = new int [3][50];

It is used to form matrix like structures Multi - Dimonsional Array:

An away with more than two dimensions.

Syntan: int marks [][] = new int[3][4]; lised in More complexe data Structures.

- Algorithm:

 1. Define an averay marks and
 initialize with with values [50,60,70,80,90].

 2. Print the element at index 3 of the averay marks.