Multidimensional Array by Munawar

Multidimensional Array

Multidimensional arrays are array of Arrays each element of a M-D array is an array itself marks in the previous example was a 1D array.

Multidimensional 2-D Array

A 2-D array can be created as follows:

Int [] [] flats= new Int [2] [3]

```
lats=new int [2][3]; //2 rows 3 column
// 2 floors 3 home
flats[0][0]=50;
flats[0][1]=100;
flats[0][2]=200;

flats[1][0]=1000;
flats[1][1]=2000;
flats[1][2]=3000;
```

```
This 2-D array can be visualized as follows:
```

```
[0] [1] [2]

Col 1 col 2 col 3

[0] Row 1 (0,0) (0,1) (0,2)

[1] (1,0) (1,1) (1,2)
```

Similarly A 3-D array can be created as follows:

```
String [] [] array= new String [2] [3] [3]
```

Source Code

```
import java.util.Scanner;
public class Main {
   public static void main(String[] args) {
        // Multidimensional array
        int [] marks; // A 1-D array
        int [][] flats; // A 2-D Array
```

Thank You