

`int arr[][]= new int[4][5]; // arr is a multidimensional array which has 4 rows and 5 columns`

one for loop is going to loop through the rows

another for loop is going to loop through the columns

Write a java program which will print out the following matrix:

12 3 4 5

9 8 18 10

10 15 20 22

Write a java program which will print out the following matrix

45 46 47 0

28 12 0 0

10 0 0 0

14 11 15 17

Difference between matrixes in c and java: in c, if you did not fill up a column, then it will be

Automatically filled by 0. However, in java, you cannot do that. All the values from a column should come from the user.

Write a java program which will print out the matrix in following sequences

0

1 2

3 4 5

6 7 8 9

```
int B[][]= new int[4][];
```

here , in B multidimensional array, we have fixed row size which is 4. However column size is not fixed and we have left that filed blank

Question- Why column numbers are not changing according to the value?

Write a java program which will add two multidimensional arrays

Write a java program which will search for the string "football" from the following array by using a for each loop

```
String S[]={ "ball", "man", "cricket", "football", "class"};
```

```
for(String a:s)// here String is your control variable then colon then the array name
```

this is a for each loop which will loop through each members from the s array.

```
Int arr[] = {{45,56,73},{20,12,11}};
```

```
for (int a[]:arr){
```

```
    for (int i:a){}
```

```
}
```

here in the for each loop, first a control variable array named "a" will loop through the indexes of the multidimensional array "arr", then a control variable "i" will loop through the control variable array "a"