

```
//Multi-Dimensional Array
import java.util.*;
public class MultiDimArrays
{
    public static void main(String[] args)
    {
        int rows = 5;
        int cols = 3;
        int arr[][] = new int[rows][cols];

        for(int i=0;i<arr.length; i++)
        {
            for int j=0; j<arr[0].length; j++)
            {
                System.out.print(arr[i][j]+" ");
            }
            System.out.println();
        }
    }
}
```

```
//Array Initializers list
int arr2[][] = {
    (1,2,3),
    (4,5,6),
    (7,8,9)
};
```

```
for(int i=0;i<arr.length; i++)
{
    for int j=0; j<arr[0].length; j++)
    {
        System.out.print(arr[i][j]+" ");
    }
    System.out.println();
}

}
```

```
////////**Jagged arrays**////////
import java.util.*;
```

```
public class JaggedArrays
{
    public static void main(String[] args)
    {
        int arr[][] = new int[3][];
        arr[0] = new int[3];
    }
}
```

```
arr[1] = new int[2];
arr[2] = new int[3];
for(int i=0;i<arr.length; i++)
{
for int j=0; j<arr[0].length; j++)
{
System.out.print(arr[i][j]+" ");
}
System.out.println();
}

}
}
```