

Printing 2D Arrays

```
import java.util.Arrays;

class PrintArray
{
    // Program to print two dimensional array in Java
    public static void main(String[] args)
    {
        int[][] arr = {
            {1, 2, 3},
            {4, 5, 6, 7},
            null,
            {8, 9}
        };

        for (int i = 0; i < arr.length; i++)
            System.out.println(Arrays.toString(arr[i]));
    }
}
```

Printing using a inner for loop

```
import java.util.Arrays;

class PrintArray
{
    // Program to print two dimensional array in Java
    public static void main(String[] args)
```

```

{
    int[][] arr = {
        {1, 2, 3},
        {4, 5, 6, 7},
        null,
        {8, 9}
    };

    for (int i = 0; i < arr.length; i++)
    {
        for (int j = 0; (arr[i] != null && j < arr[i].length); j++)
            System.out.print(arr[i][j] + " ");

        System.out.println();
    }
}

```

Using a for..each loop

```

for (int[] row : arr)
{
    if (row != null)
        for (int col : row)
            System.out.print(col + " ");

    System.out.println();
}

```