Print 2d Array

I/P → n = 3

m = 3

1
2
3
4
5
6
7
8
9

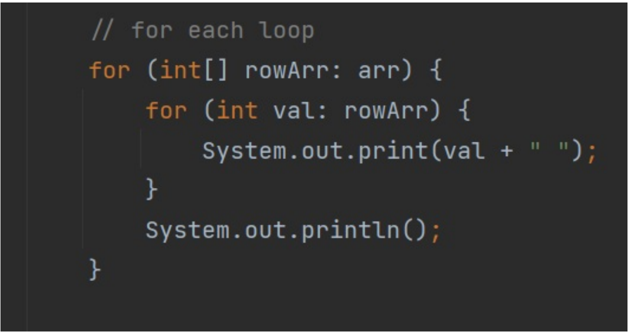
↘

```
1 2 3

4 5 6

7 8 9
```

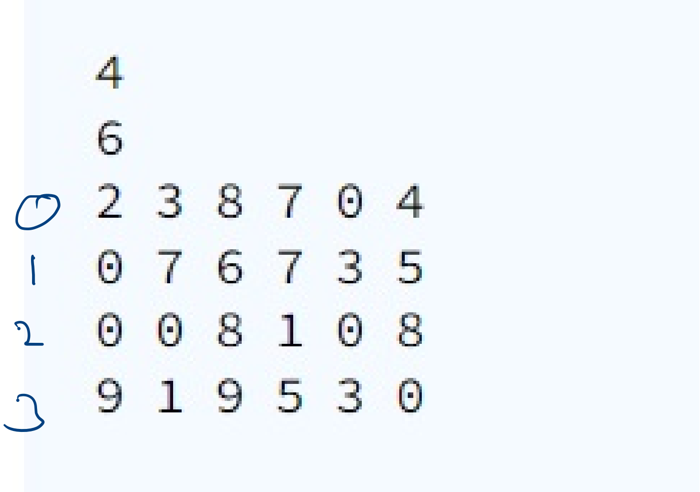
For each in 2D array



```
// for each loop
for (int[] rowArr: arr) {
    for (int val: rowArr) {
        System.out.print(val + " ");
    }
    System.out.println();
}
```

1 2 3

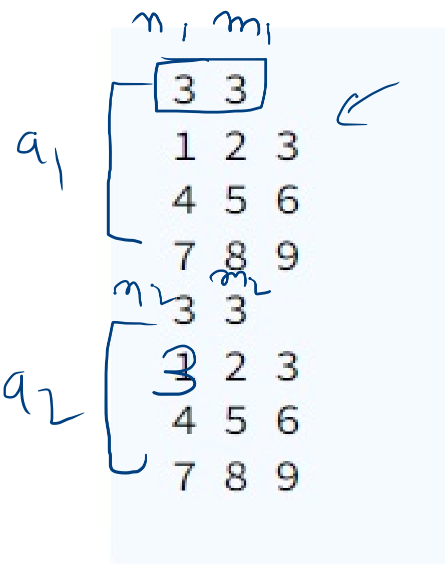
Print Alternate Row (14 July)



```
        4
        6
→   0   2 3 8 7 0 4
    1   0 7 6 7 3 5
→   2   0 0 8 1 0 8
    3   9 1 9 5 3 0
```

even Row num

Compare Two Matrices (14 July)



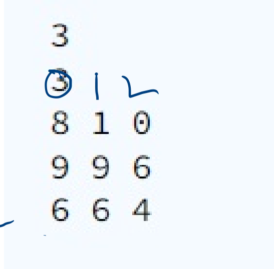
```
3 3
1 2 3
4 5 6
7 8 9
3 3
1 2 3
4 5 6
7 8 9
```

$n_1 \neq n_2 \;||\; m_1 \neq m_2 \rightarrow$ not Same

```
for (          )
    for (          )
        1 ≠ 3
```

Interchange the Row (14 july)

I/P



```
3
3
8 1 0
9 9 6
6 6 4
```

1 2

→ 0

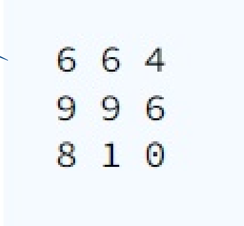
1

→ 2

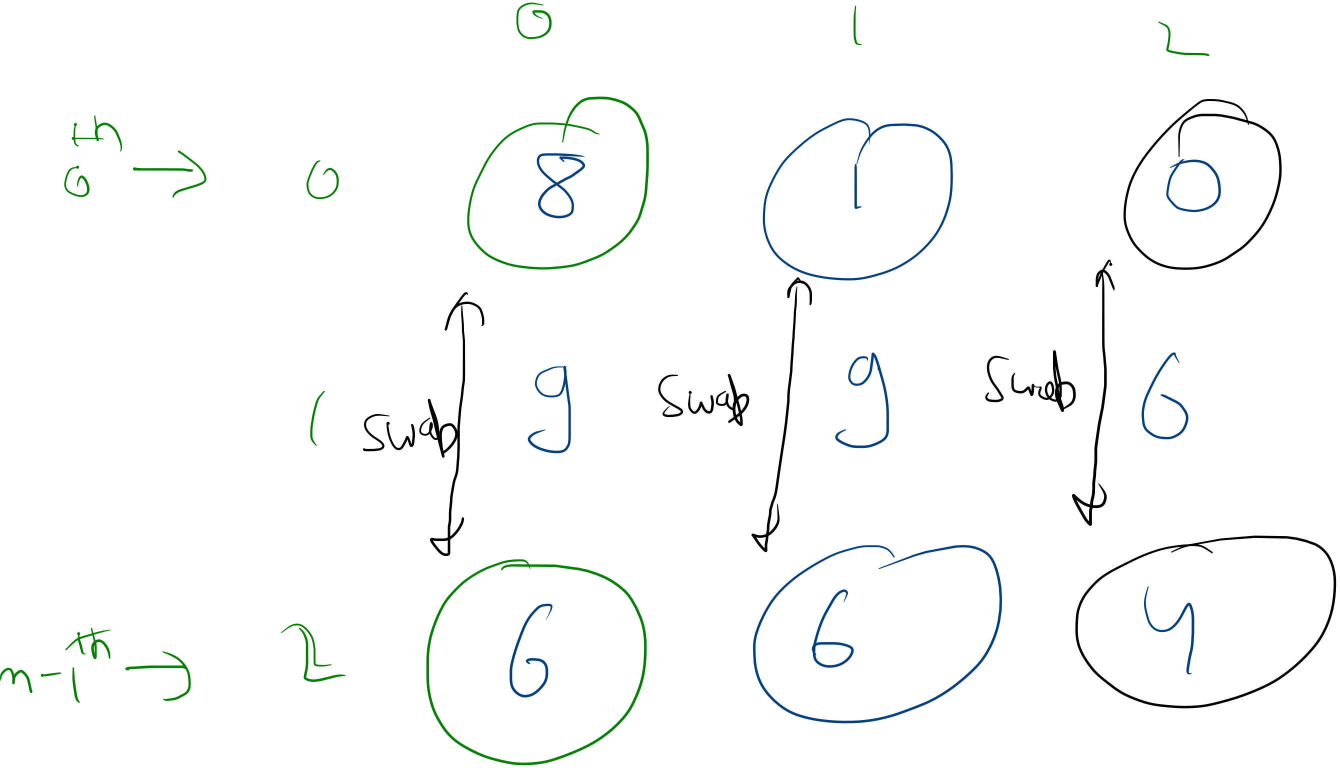
0th Row & n-1th Row

do not make new arr

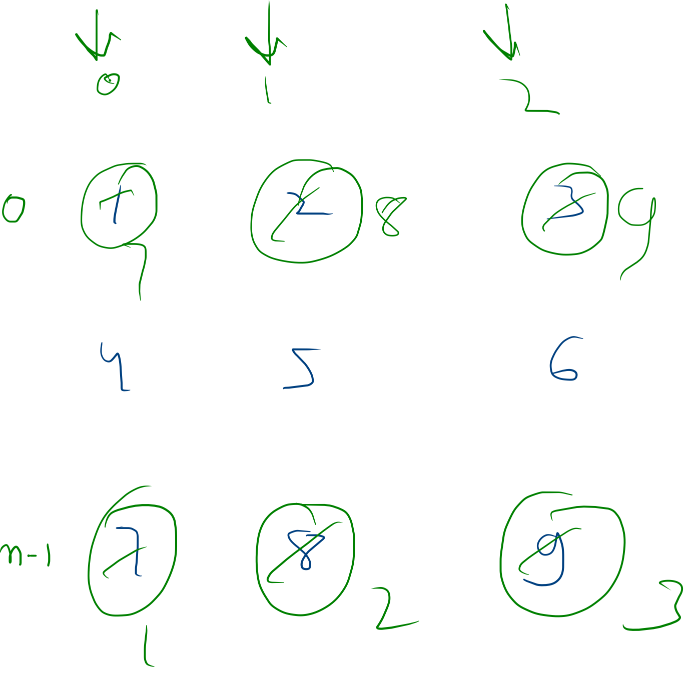
O/P

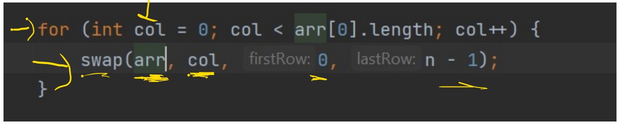


```
6 6 4
9 9 6
8 1 0
```

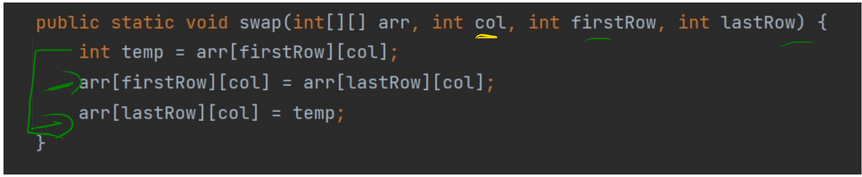


	0	1	2
0	8	1	0
1	9	9	6
2	6	6	4

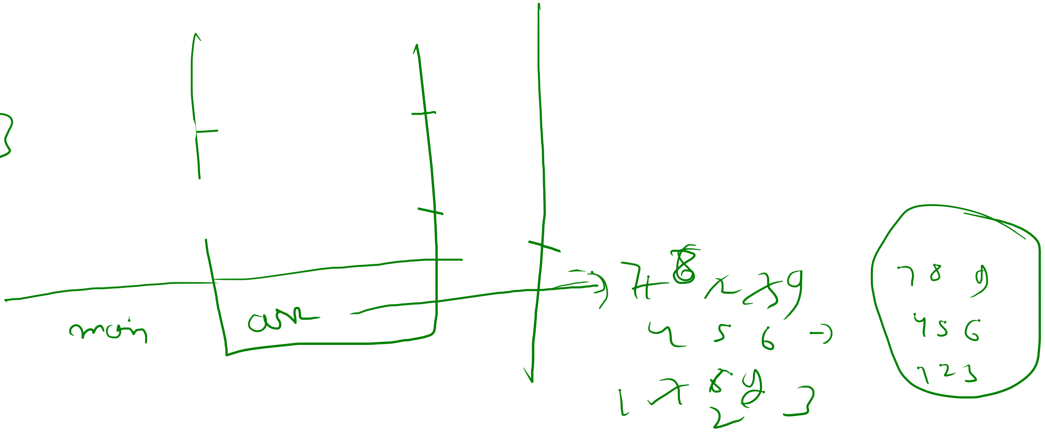




```
for (int col = 0; col < arr[0].length; col++) {
    swap(arr, col, firstRow: 0, lastRow: n - 1);
}
```



```
public static void swap(int[][] arr, int col, int firstRow, int lastRow) {
    int temp = arr[firstRow][col];
    arr[firstRow][col] = arr[lastRow][col];
    arr[lastRow][col] = temp;
}
```


main
arr
7 8 9
4 5 6
1 2 3