

# Chapter 51: Algo:- Print a m\*n matrix in square wise

Check sample input and output below.

## Section 51.1: Sample Example

Input:

```
14 15 16 17 18 21
19 10 20 11 54 36
64 55 44 23 80 39
91 92 93 94 95 42
```

Output:

print value in index

```
14 15 16 17 18 21 36 39 42 95 94 93 92 91 64 19 10 20 11 54 80 23 44 55
```

or print index

```
00 01 02 03 04 05 15 25 35 34 33 32 31 30 20 10 11 12 13 14 24 23 22 21
```

## Section 51.2: Write the generic code

```
function noOfLooping(m,n) {
    if(m > n) {
        smallestValue = n;
    } else {
        smallestValue = m;
    }

    if(smallestValue % 2 == 0) {
        return smallestValue/2;
    } else {
        return (smallestValue+1)/2;
    }
}

function squarePrint(m,n) {
    var looping = noOfLooping(m,n);
    for(var i = 0; i < looping; i++) {
        for(var j = i; j < m - 1 - i; j++) {
            console.log(i+''+j);
        }
        for(var k = i; k < n - 1 - i; k++) {
            console.log(k+''+j);
        }
        for(var l = j; l > i; l--) {
            console.log(k+''+l);
        }
        for(var x = k; x > i; x--) {
            console.log(x+''+l);
        }
    }
}

squarePrint(6,4);
```