Rotate 2D Array by 90° [clockwise]

a	b	c	d			m	i	e	a
e	f	g	h	⇒		n	j	f	b
i	j	k	l		90°	o	k	g	c
m	n	o	p			p	l	h	d

Approach ⇒

TRANSPOSE & Swap [i.e reverse the column]

Transpose ⇒ convert rows to column

a	e	i	m
b	f	j	n
c	g	k	o
d	h	l	p

[TRANSPOSE + REVERSE COLUMN ROW BY ROW]

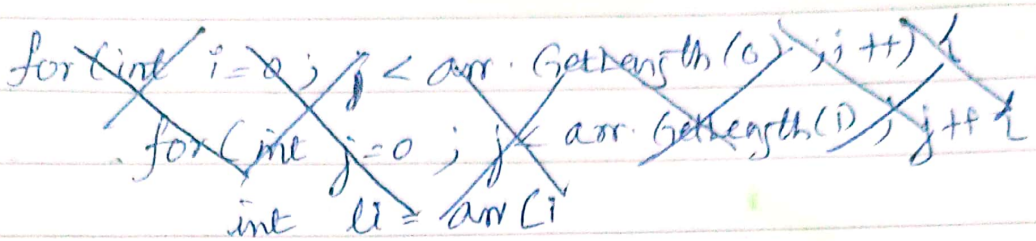
TRANSPOSE LOGIC

```
for (int i = 0 ; i < arr.GetLength(0) ; i++) {
    for (int j = i ; j < arr.GetLength(1) ; j++) {
        int temp = arr[i,j];
        arr[i,j] = arr[j,i];
        arr[j,i] = temp;
    }
}
```

if j=0 => while swapping it will reset

j=i > skip play diagonal

REVERSE COLUMN BY SWAPPING ROW BY ROW




```
for (int i = 0 ; i < arr.GetLength(0) ; i++) {
    int li = 0;
    int ri = arr.GetLength(1);
    While(li < ri){
//Swap\\  int temp = arr[i, li];
        arr[ij li] = arr[i, ri];
    }   arr[i, ri] = temp;
        li++;
        ri--;
    }
}
```