Multidimensional Arrays

- **Transpose of Matrix**
- **Transpose of square matrix of size N*N.**
- **N —> Number of Row and column**
- **changing rows to columns and columns to rows.**

int x [3] [3]

1	1	1
2	2	2
3	3	3

Hello world

Multidimensional Arrays

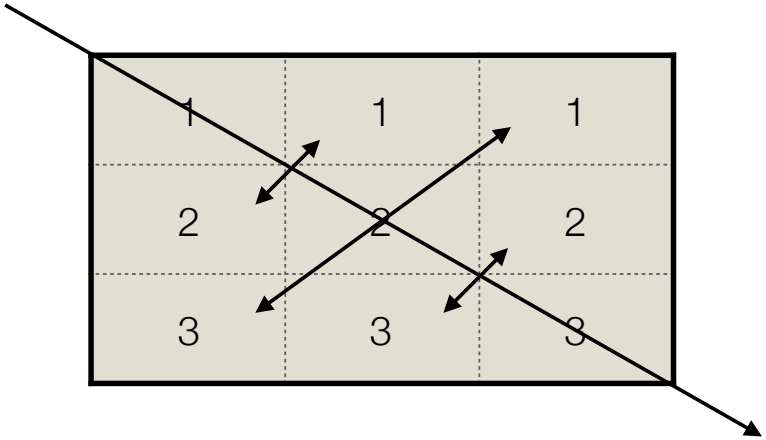
int x [3] [3]

1	1	1
2	2	2
3	3	3

R -> C
C -> R

int x [3] [3]

1	2	3
1	2	3
1	2	3



	Column 1	Column 2	Column 3
Row 1	x[0][0]	x[0][1]	x[0][2]
Row 2	x[1][0]	x[1][1]	x[1][2]
Row 3	x[2][0]	x[2][1]	x[2][2]

Hello world

Multidimensional Arrays

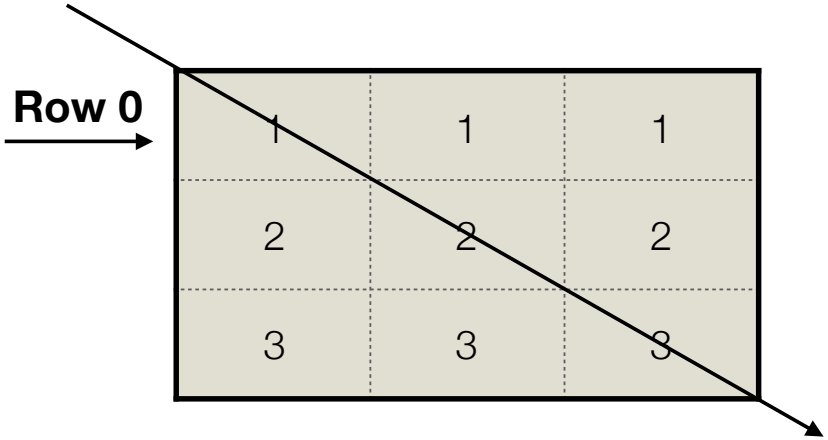
int x [3] [3]

1	1	1
2	2	2
3	3	3

R -> C
C -> R

int x [3] [3]

1	2	3
1	2	3
1	2	3



J = 0

Hello world

Multidimensional Arrays

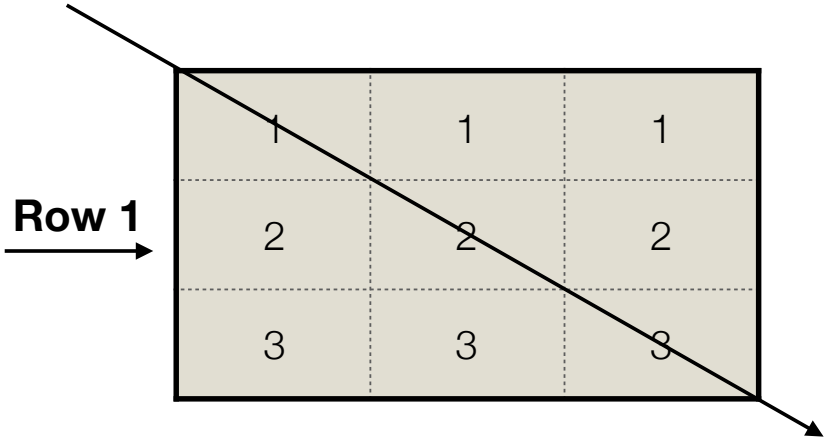
int x [3] [3]

1	1	1
2	2	2
3	3	3

R -> C
C -> R

int x [3] [3]

1	2	3
1	2	3
1	2	3



J = 0

J = 0 **J = 1**

Hello world

Multidimensional Arrays

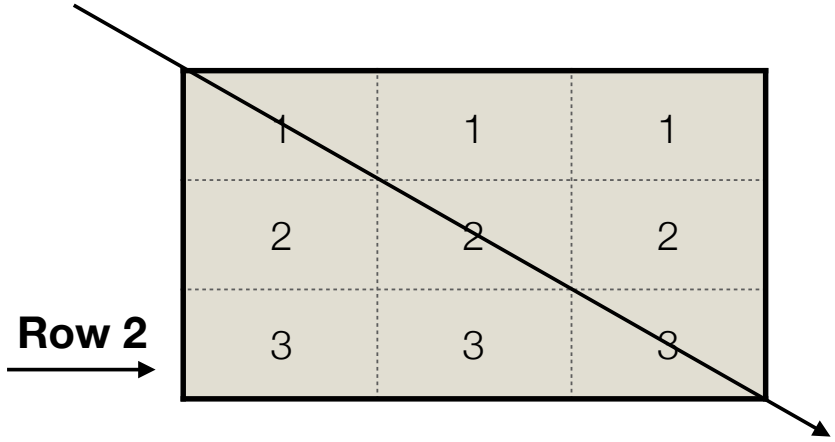
int x [3] [3]

1	1	1
2	2	2
3	3	3

R -> C
C -> R

int x [3] [3]

1	2	3
1	2	3
1	2	3



J = 0

J = 0 J = 1

J = 0 J = 1 J = 2

Hello world