

## Java 2D Array Notes

### Vocab

[ ][ ]

arrayName.length

arrayName [row].length

subzero

indices

Row major

Column major

### Questions to answer

What is the default value of a 2D array?

What is the keyword for a 2D array?

What is a 2D array really in Java?

How to get the number of rows in a 2D array?

How to get the number of columns in a 2D array?

For loop syntax to iterate over a 2D array in row major order?

For loop syntax to iterate over a 2D array in column major order?

For each syntax to iterate over a 2D array

What is the only column you can access?

How to extract a column from a 2D array?

How to copy values from a 1D array to a 2D array in row major order?

How to copy values from a 2D array to a 1D array in row major order?

How to sum all values in a 2D array?

How to sum all values in a column in a 2D array?

How to check if neighbor cells are out of bounds?

What happens if you go out of bounds?

How to assign values into a 2D array?

How to retrieve values from a 2D array?

How to remove values from a 2D array?

How do you initialize a 2D array with predetermined values?

Why shouldn't you use r and c as loop variables?

How do you find values in a 2D array?

How do you sort values in a 2D array?

How do you find the min/max in a 2D array?