

Lesson 3: Row-Major Traversal

2D Array Algorithms

Write an algorithm to find the values that are greater than 10 in the given 2D array.

Video Notes: Row-Major Traversal

Term	Definition	Example / Picture / Code
<p>row-major traversal</p>	<p>Traversing a 2D array by accessing each _____ from _____ to _____</p>	

True or False? Consider each of the following statements and determine if they are true or false. If it is false, explain why. If you are unsure, explain why.

1. _____ When traversing in row-major order, the outer for loop traverses the rows and the inner for loop traverses the columns or the cells of that row.

Reasoning:

2. _____ The number of rows is equal to the length of the outer array plus one.

Reasoning:

Reflection

Question of the Day: How can I traverse a 2D array?

How might you use the algorithms you wrote with 1D arrays to work with 2D arrays?