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2D ARRAYS QUESTIONS

Question 1: Print the number of 7's that are in the 2d array.

Example:

Input - int[][] array = $\{ \{4,7,8\}, \{8,8,7\} \}$;

Output - 2

Question 2: Print out the sum of the numbers in the second row of the "nums" array.

Example:

Input - int[][] nums = $\{ \{1,4,9\}, \{11,4,3\}, \{2,2,3\} \}$;

Output - 18

Question 3: Write a program to Find **Transpose** of a Matrix.

What is Transpose?

Transpose of a matrix is the process of **swapping the rows to columns**. For a 2x3 matrix,

Matrix

a11 a12 a13 a21 a22 a23

Transposed Matrix

a11 a21

a12 a22

a13 a23