CIS 5100:

Homework 7

Data Structures & Program

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7.9 Consider a two-by-three integer array t.

a.) Write a statement that declares and creates t

b.) How many rows does t have?

c.) How many columns does t have?

d.) How many elements does t have?

e.) Write access expressions for all the elements in row 1 of t?

f.) Write access expressions for all the elements in column 2 of t

g) Write a single statement that sets the element of t in row 0 and column 1 to zero

h.) Write individual statements to initialize each element of t to zero

i.) Write a nested for statement that initializes each element of t to zero

j.) Write a nested for statement that inputs the values for the elements of t from the user

k.) Write a series of statements that determines and displays the smallest value in t

l.) Write a single printf statement that displays the elements of the first row of t

m.) Write a statement that totals the elements of the third column of t. Do not use repetition

n. write a series of statements that displays the contents of t in tabular format

List the column indices as headings across the top, and list the row indices at the left of each row