2d Arrays - Sum Elements of Matrix by Column

Write a method that returns the sum of all the elements in a specified column in a matrix using the following signature:

public static double sumColumn(double[][] m, int columnIndex)

Your program will create and initialize a 3-by-4 matrix of doubles and then display the sum of each column using a loop to call sumColumn() for each column.

Example Output

Given the following matrix:

```
double[][] myArray = {
        {1.1, 2.2, 3.3, 4.4},
        {5.5, 6.6, 7.7, 8.8},
        {9.9, 10.10, 11.11, 12.12 }
};
```

Your output should look like this:

```
Sum of the elements at column 0 is 16.5
Sum of the elements at column 1 is 18.9
Sum of the elements at column 2 is 22.11
Sum of the elements at column 3 is 25.32
```

Deliverables

Make sure your code has the required file header and correctly formatted identifier names, as outlined in the CS Java Documentation Policy under Course Info on D2L.

To receive credit for this lab you must

1. Demonstrate the code and execution to the instructor during this lab, during office hours, or during the next lab period.

2. Zip the src folder in your project directory and upload the instructor approved .java files to the Lab 14 D2L drop box.