

Lab 02: Arrays

Write a public class called Main and implement class/static methods for each of the following:

1. (1) Print your full name.

```
public static void displayName()
```

2. (2) Print a 1-dimensional array.

```
public static void displayArray()
```

3. (2) Print a 2-dimensional array.

4. (2) Determine if two 1-dimensional arrays are equal (return boolean).

5. (3) Determine if two 2-dimensional arrays are equal (return boolean).

6. (2) Find the sum of a 1-dimensional array (return int).

7. (3) Find the sum of a 2-dimensional array (return int).

8. (5) Multiply two matrices (2-dimensional arrays) together like so (return int[][]):

matA = {		matB = {		matC = {
{1, 2},		{2, 2},		{2, 4},
{4, 1},	X	{2, 2},	=	{8, 2},
}		}		}

While you are writing these methods, include tests for them in your main method (5 marks).

Grading Criteria:

Style/submission guidelines: https://gmierzwinski.github.io/bishops/cs321/style_guidelines.html

Comments, Formatting, & Readability	5 Marks
Submission Guidelines	5 Marks
Testing	5 Marks
Program	20 Marks See (X) above
Total	35 Marks