

## 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.

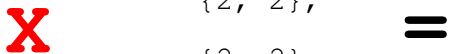
```
public static void displayName
```

2. (2) Print a 1-dimensional int array (elements should appear on 1 line with spaces between them).

```
public static void displayArray
```

3. (2) Print a 2-dimensional int array (one row per line).
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},          {2, 2},           {8, 2},
}                   }                  }
```



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

## Grading Criteria:

Style/submission guidelines: [https://gmierzwinski.github.io/bishops/cs321/style\\_guidelines.html](https://gmierzwinski.github.io/bishops/cs321/style_guidelines.html)

<b>Comments, Formatting, &amp; Readability</b>	<b>5 Marks</b>
<b>Submission Guidelines</b>	<b>5 Marks</b>
<b>Testing</b>	<b>5 Marks</b>
<b>Program</b>	<b>20 Marks</b> <b>See (X) above</b>
<b>Total</b>	<b>35 Marks</b>