

# Computer Science 60-212 - Winter 2018

## Lab 4 Activities

### Activity 1.

Write a method that reverses the sequence of elements in an array. For example, if you call the method with the array: 1, 4, 9, 16, 9, 7, 4, 9 11 then the array is changed to: 11, 9, 4, 7, 9, 16, 9, 4, 1.

### Activity 2.

Write a Java program that reads a sequence of input values and displays a vertical bar chart of the values, using asterisks, like the following shape for the input values 5, 7, 3, and 2:

```
      *
      *
 *   *
 *   *
 *   *
 *   *
 *   *
 *   *
 *   *
```

Note, that you should first figure out the maximum value from the inputs.

### Activity 3.

Write a Java program with two methods for matrix addition and multiplication. Test your program to add two matrices as well as multiply two other matrices. Note that matrices should have the same number of rows and columns to be able to add them. For multiplication, the number of columns of the first matrix should be the same as the number of rows of the second matrix.