

CSCI 1370

APRIL 3, 2017

ADMINISTRATIVA

Deadline extended to Sunday for submitting responses to **peer evaluation survey** (worth 1.5 points).

Note: there will be another peer evaluation survey (+1.5 points) again at the end of the semester...

ARRAYS WORKSHOP

Exercise: implement the following function, such that it determines how many characters are in the string being passed to it.

```
int getLength(string s)
```

Exercise: implement the following function, such that it turns the string, *s*, into a *rad* string...

```
string makeRad(string s)
```

Note that a string is *rad* if:

- (a) its first character is a letter,
- (b) the last character is an exclamation point, and
- (c) it contains at least one character that is a 'z' or 'Z'.

Exercise: declare an array to store the letters of the alphabet.

Exercise: write code that prints the contents of the array to the console, with each element printed on its own line.

Exercise: copy the array – in reverse order – into a new array.

Exercise: declare an array to store 10 numbers.
Populate the array with user input.

Exercise: implement the following function, such that it finds the largest number being stored in the array and returns its *value*.

```
double getMax(double a[], int size)
```

Exercise: implement the following function, such that it finds the largest number being stored in the array and returns its *index*.

```
int findMax(double a[], int size)
```

Exercise: implement the following function, such that it sorts the elements in the array in increasing order.

```
void sort(double a[], int size)
```