MA 335 Homework 3
Due 3/20

- For the following functions, use the pointer notation ONLY. Do NOT use the array index [] notation.

- Make each problem a complete program that demonstrates the use of the function (i.e. each problem is a compilable piece of code, including a `main`).

- Each file should be named `problem_x.c` where `x` is the problem number.

- Improper naming (including capitalization) will result in loss of points.

- Do not create a `.zip` file, turn in each problem separately.

- For each problem, turn in the code to the Moodle dropbox. Include in a comment the state of your code. Turn in a screenshot of each problem compiling and running.

1. Write a function `int countEven(int* arr, int size)` which receives an integer array and its size, and returns the number of even numbers in the array.

2. Write a function that returns a pointer to the maximum value of an array of double's. `double* maximum(double* a, int size);`

3. Write a piece of code which prints any command line arguments in reversed order.

4. Strings are terminated with the special character '\0'. Write a function `int myStrLen(char* s)` which returns the length of a properly terminated string. Write the function without using the C++ function `strlen`.

5. Write a function `void revString(char* s)` which reverses the parameter `s`. The array `s` should actually be changed in this example.

6. Modify `countEven` so that it sets all the even entries in `arr` to `-1`. Call the function `delEven`. It should not return anything, and it should actually modify `arr`.