**CS Math Society**

**Quadratic Formula Calculator**

# **Team members**

Omar Adel Abdel Hamid Ahmed Brikaa - 20206043

Ali Esmat Ahmed Orfi - 20206123

Mostafa Hesham Ragab Allam - 20206126

# **Submitted to**

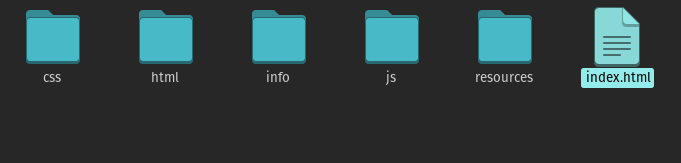
Dr. Eng. Mostafa Reda A. El Tantawi

# **Project Description**

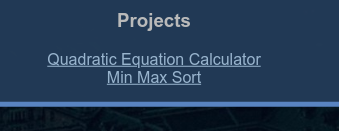
This tool calculates the roots of the quadratic equations using the general formula. The tool also works with linear equations. The user inputs the coefficients of and the constant.

# **Using the tool**

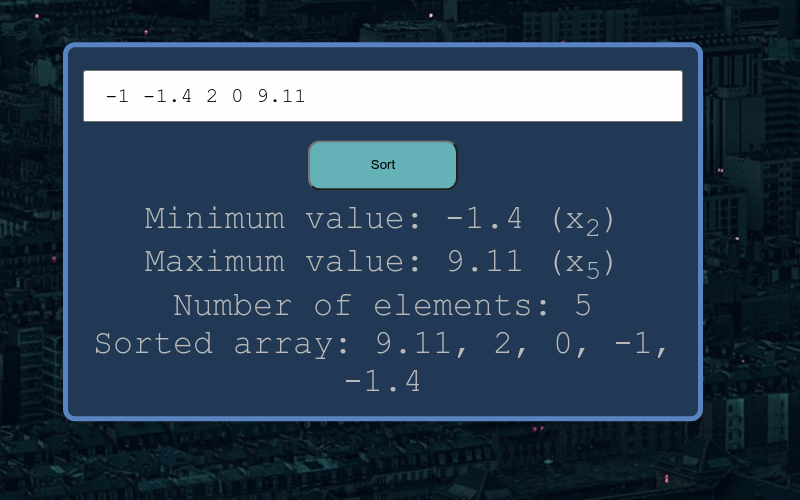
**Step 1:** Open **index.html**, if it doesn't open in a web-browser choose "open with" and your preferred browser

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**Step 2:** The project will open in a web-browser, choose **Min Max Sort**.

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**Step 3:** Enter the values of the array separated by a space and click **sort**.



# **Pseudocode**

0. Start

1. array inputs = []

2. for i = 0, i < 5, i++

2.1 input inputs[i]

3. If array.length == 0

3.1 exit

4. inputs.sort(desc)

5. print inputs

5. if inputs.count(inputs[0]) == 5

5.1 output minimum = maximum

5.2 exit

6. maximum = inputs[0], minimum = inputs[4]

7. print minimum

8. for i in inputs

8.1 if inputs[i] == maximum

8.1.1 print inputs[i] + " is maximum"

8.2 if inputs[i] == minimum

8.2.1 print inputs[i] + " is minimum"

9. exit