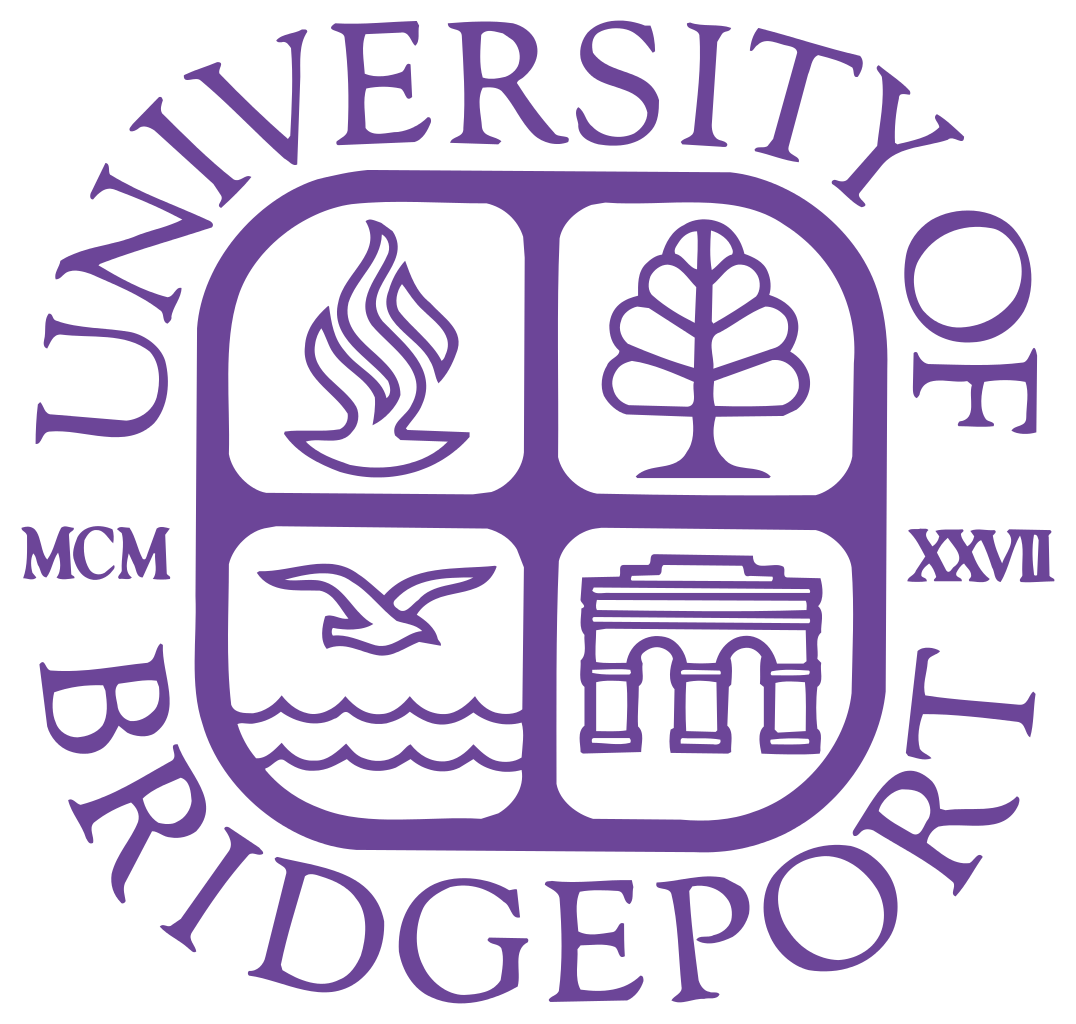
******

**Bashar Alhafni**

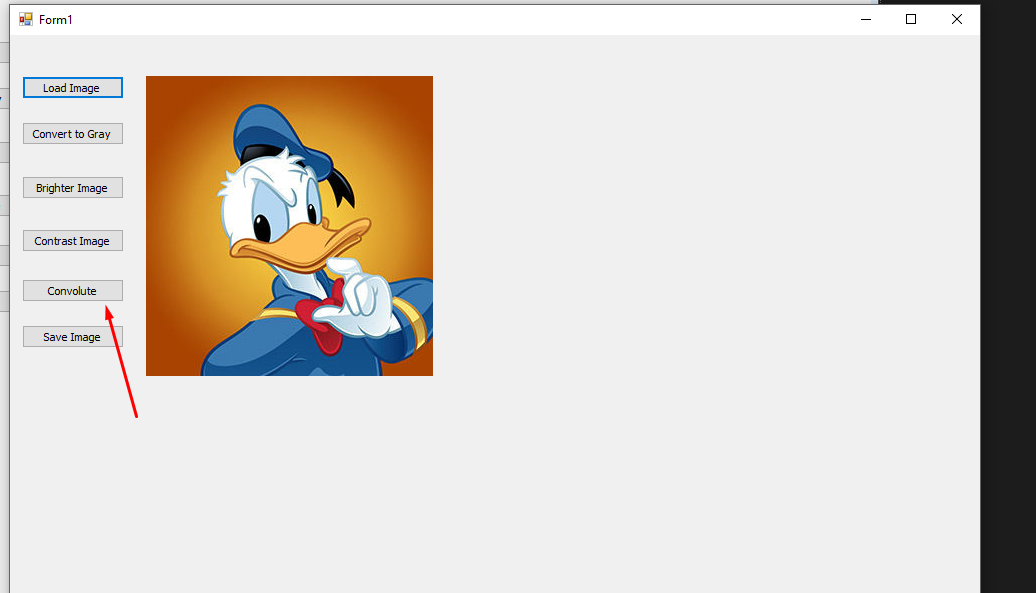
**Assignment #2**

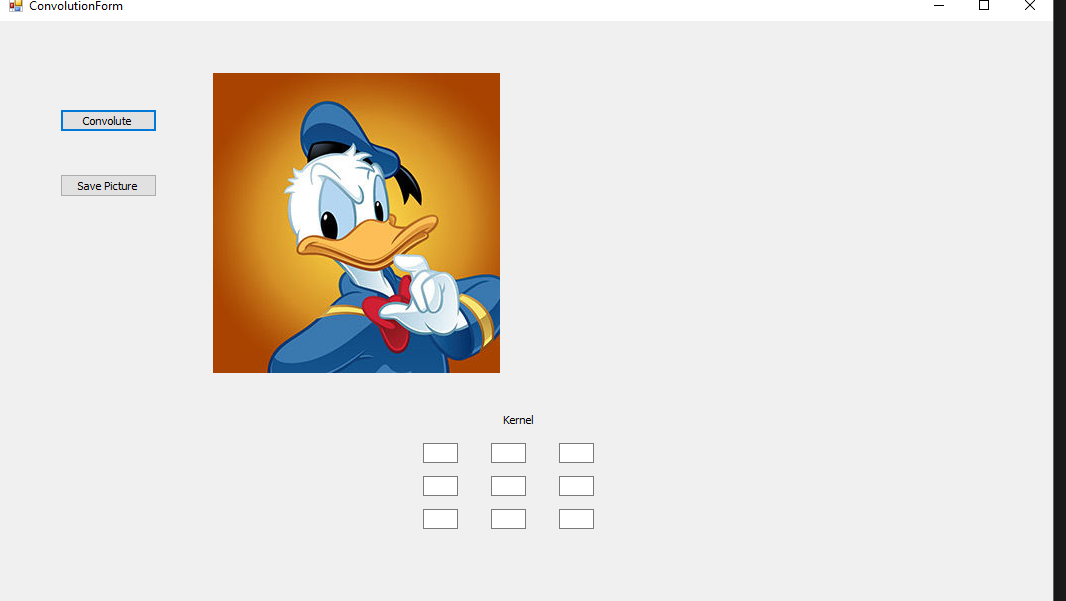
**Objective:**

**Part 1:**

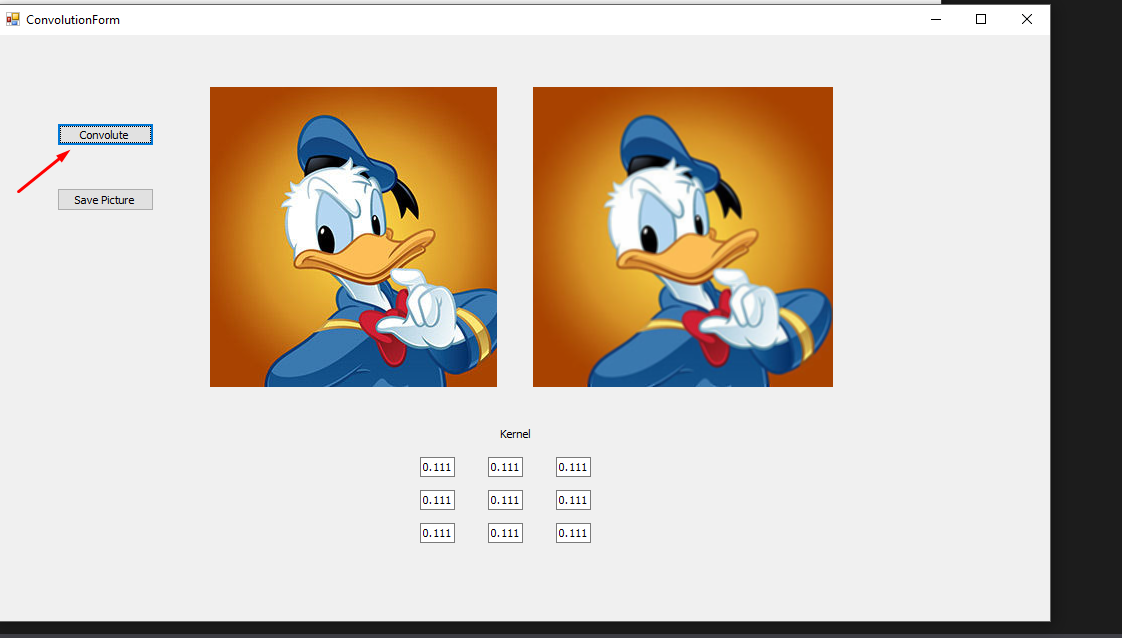
Implement the Low Pass, High Pass, Sharpening, Sobel, and Laplacian Filters. The user may enter the values of the filters by a GUI.

**Screen shots:**

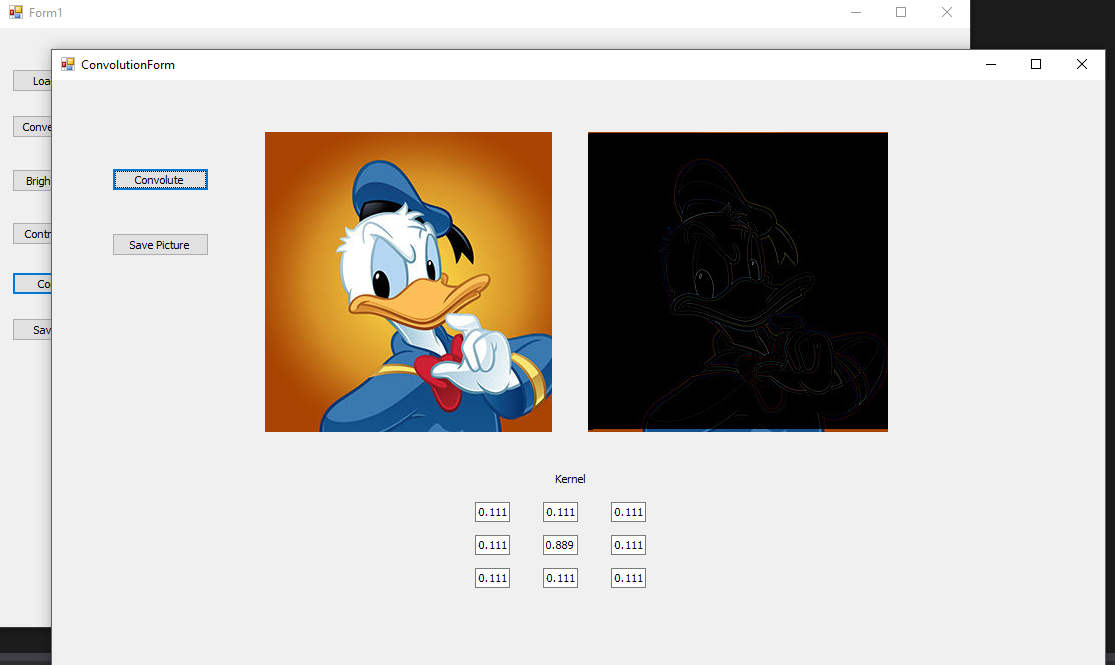




**Low Pass Filter:**

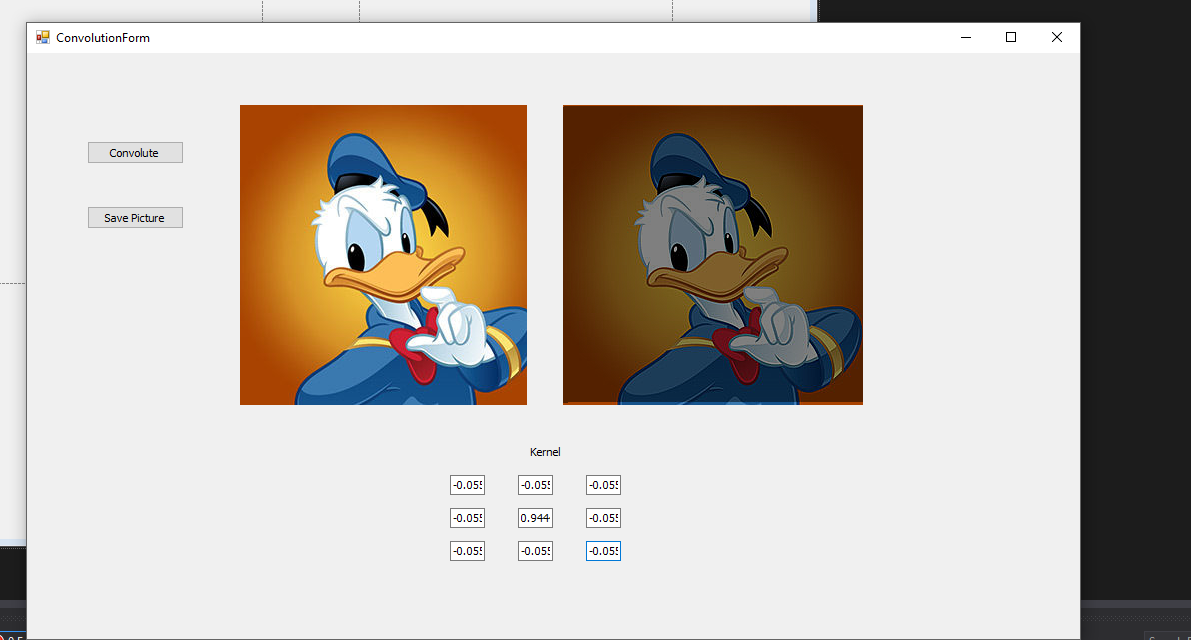


**High Pass Filter:**



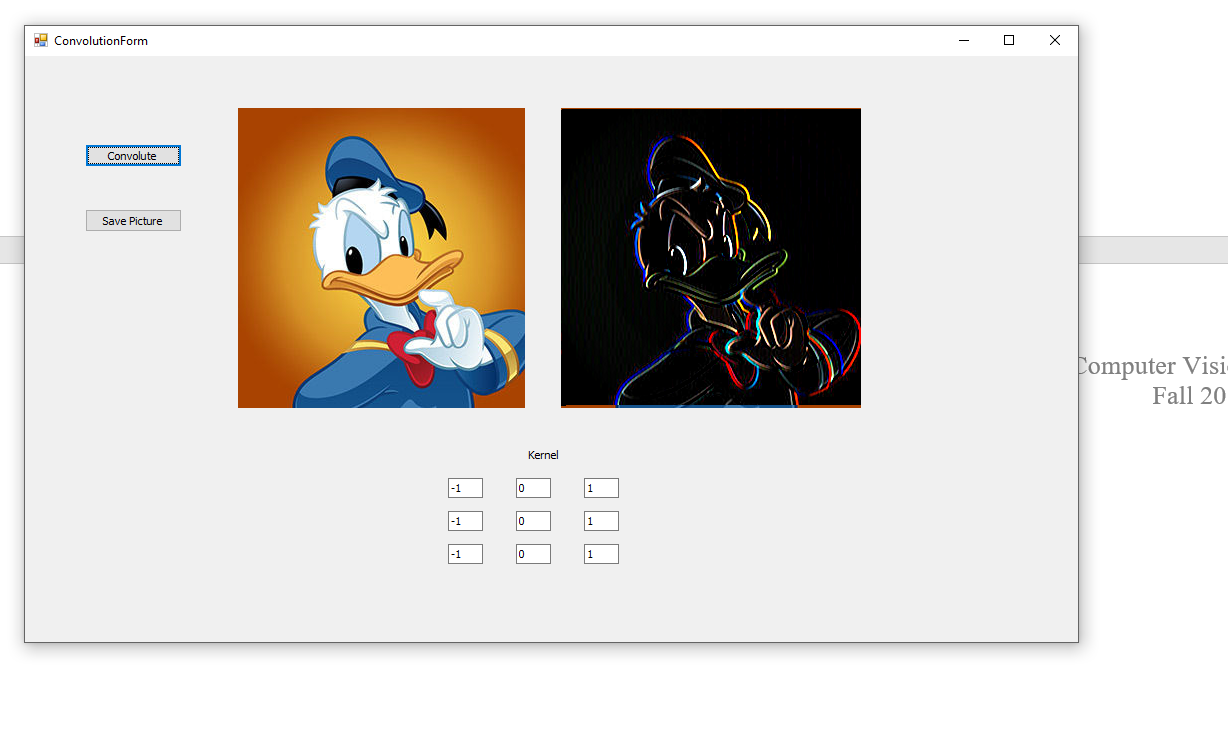
**Sharpening Filter:**

f = 0.5

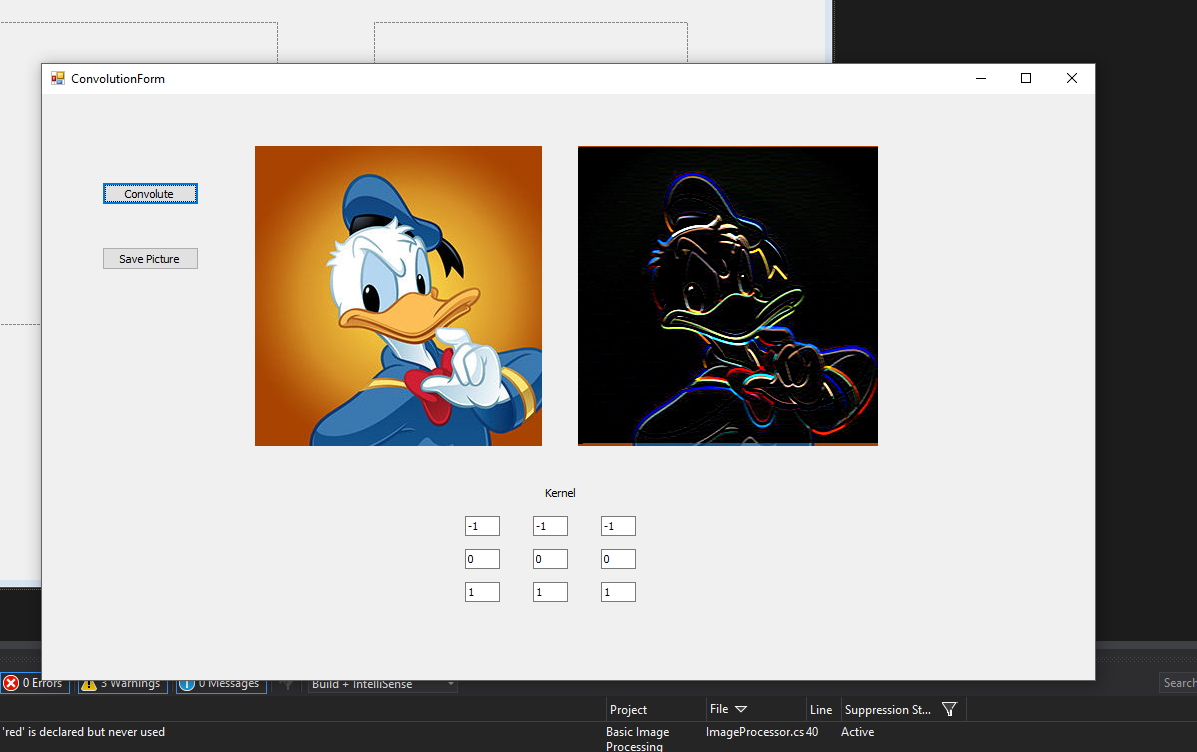


**Sobel Filter:**

**In the X direction:**



**In the Y direction:**



**Laplacian Filter:**

