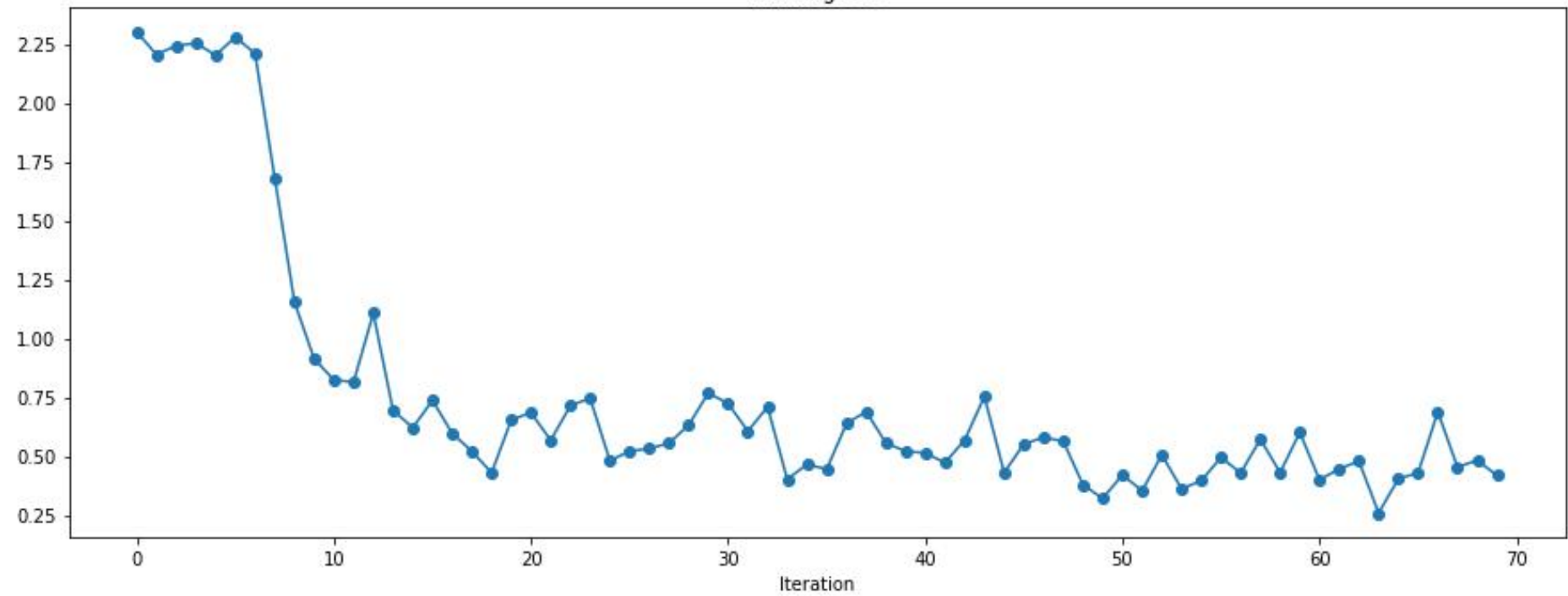
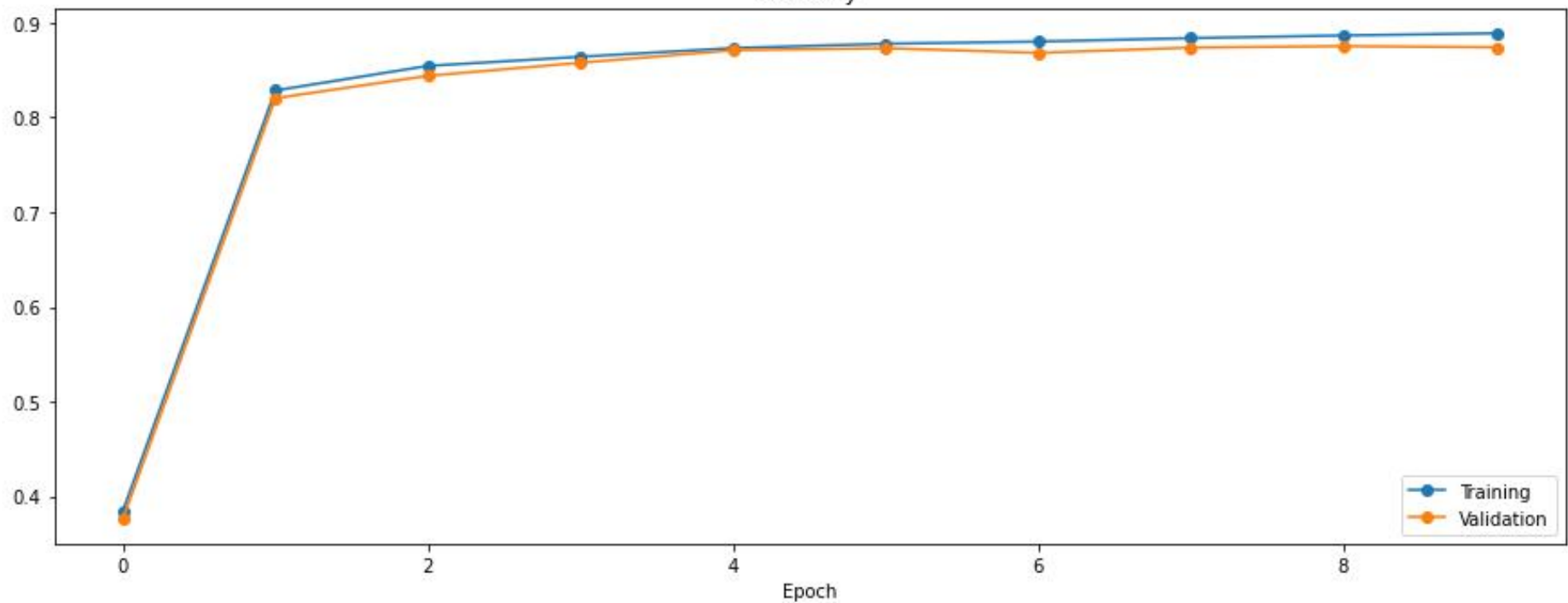
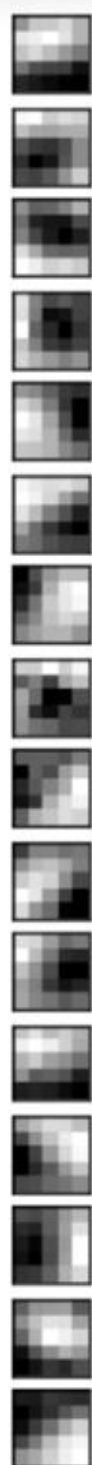


Training loss

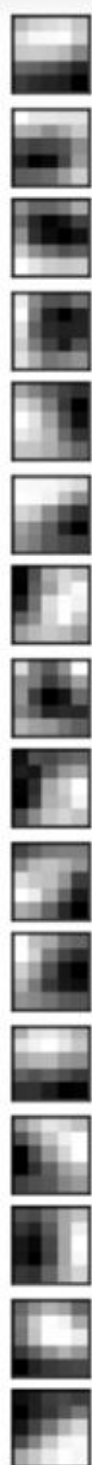


Accuracy

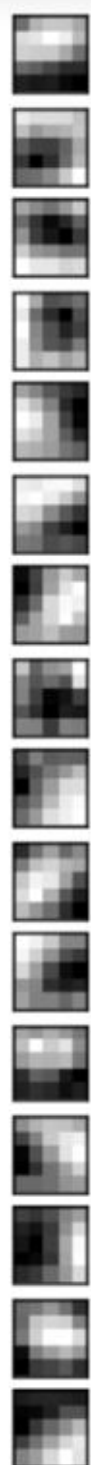




Red



Green



Blue

Inline Question: Comment below on what kinds of filters you see. Include your response in your submission [5pts]

Answer:

The first 16 5x5 filter maps (each having 3 channels) are visualized above. These filters look for lower level features in the images. The last filter is akin to the Emboss filter (having higher values on the upper triangle, and lower values on the lower triangle). There are also quite a few feature maps similar to Sobel (larger numbers on one half, lower numbers on the other). Other feature maps are arbitrary, and capture certain spatial characteristics from the images. These are some of the recognisable filters from the 1st layer of the CNN model.

