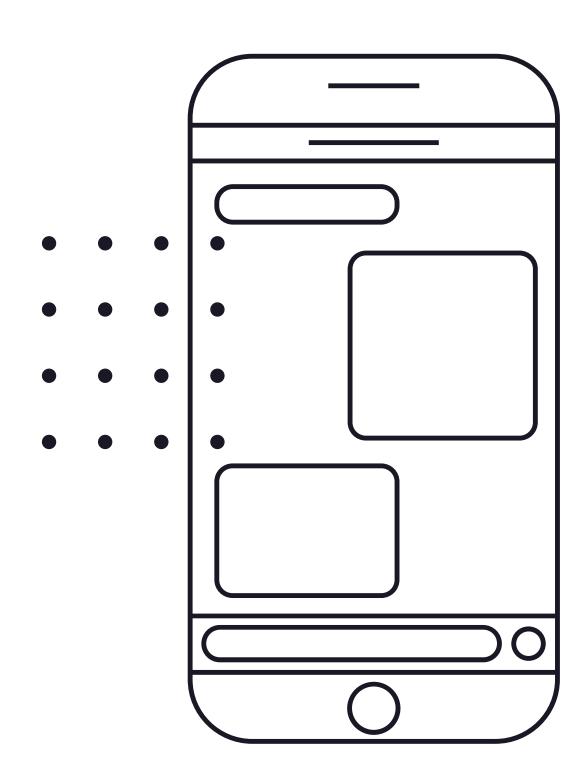
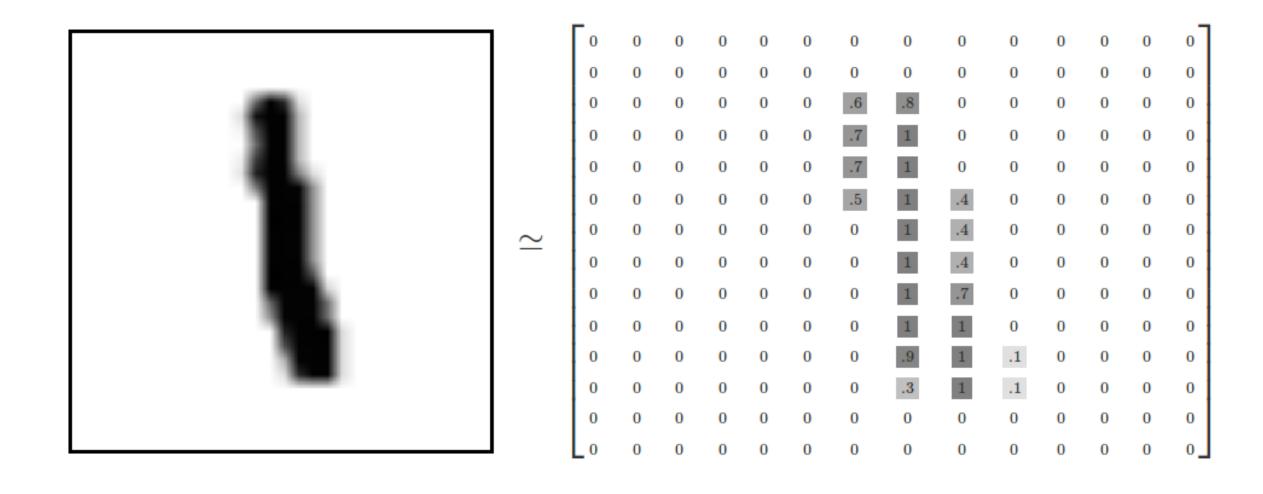


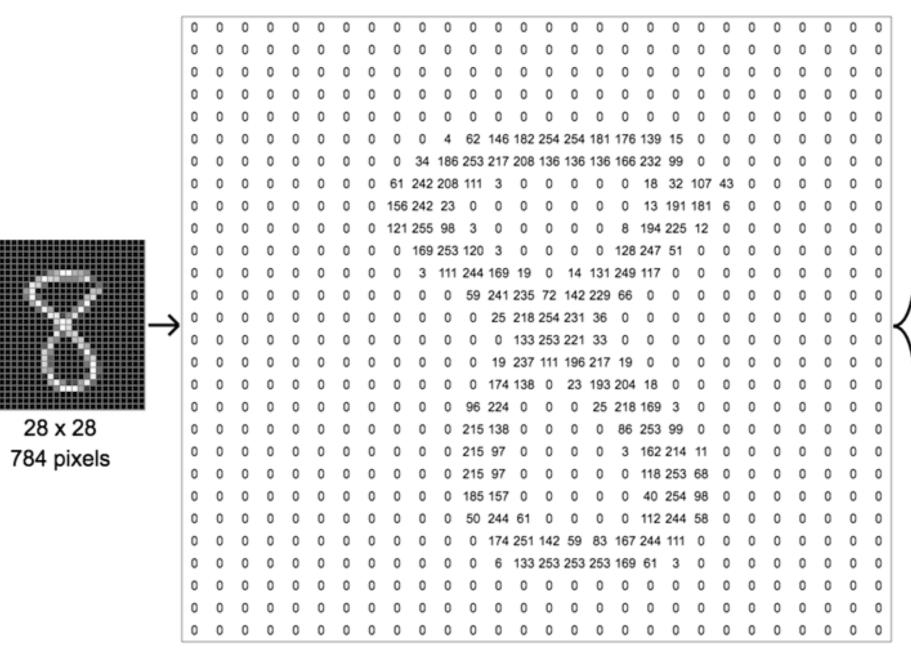
SHAPEAL

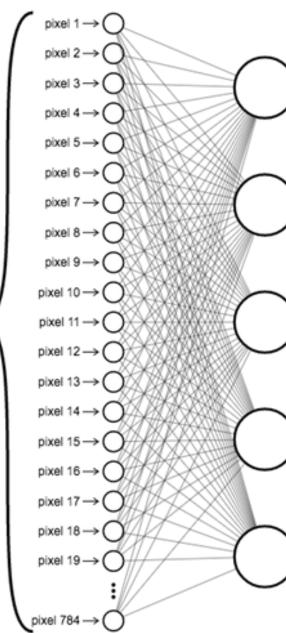
HOW A DIGITAL DEVICE SEES AN IMAGE

For a device an image is nothing but a 2D matrix of numbers. Where each entry represent the intensity of light for the following position or so called pixels.



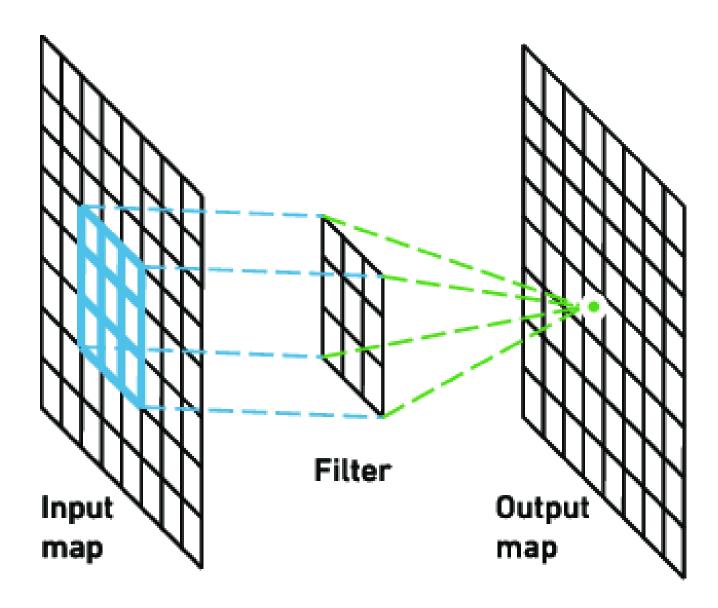




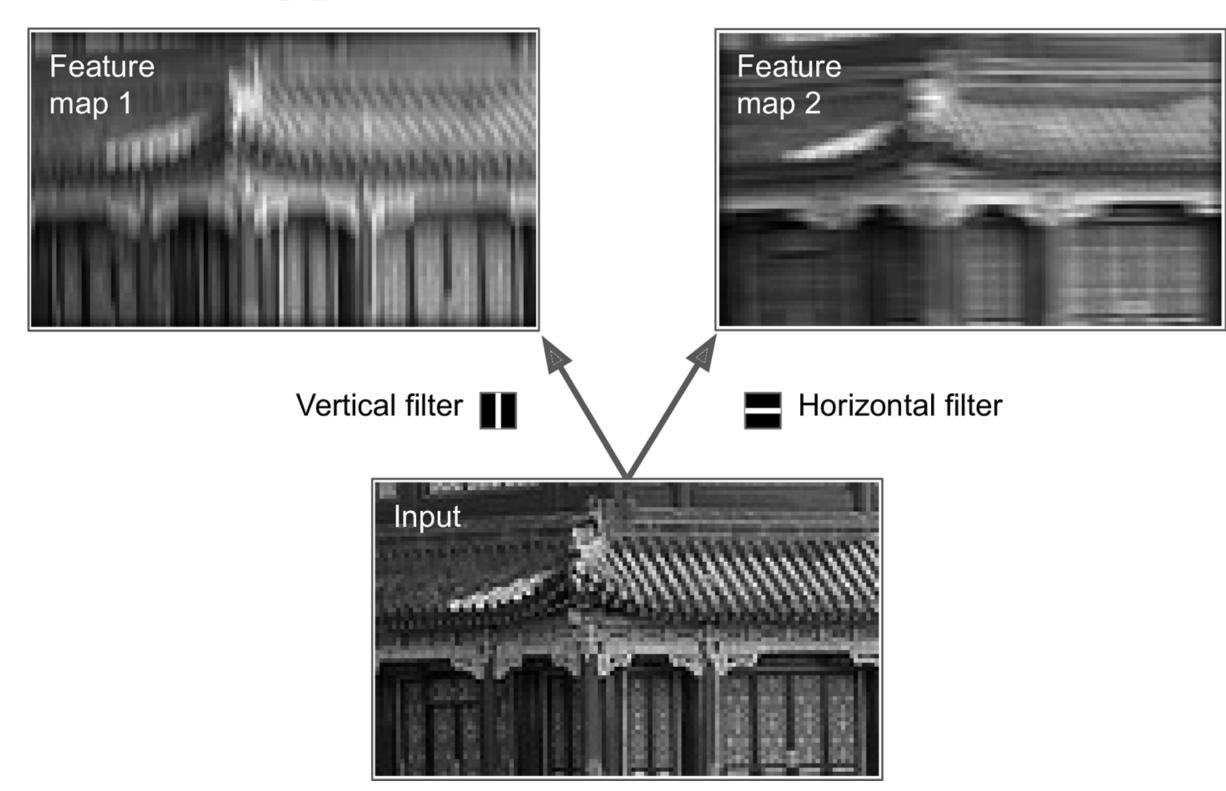


FILTER

When we apply some filter to any image or we can say, we make changes in the image (just like we have filters on Instagram, Snapchat), we are basically altering the matrix that represents the image. We alter the numbers in a fashion to get the desired result.



FILTER





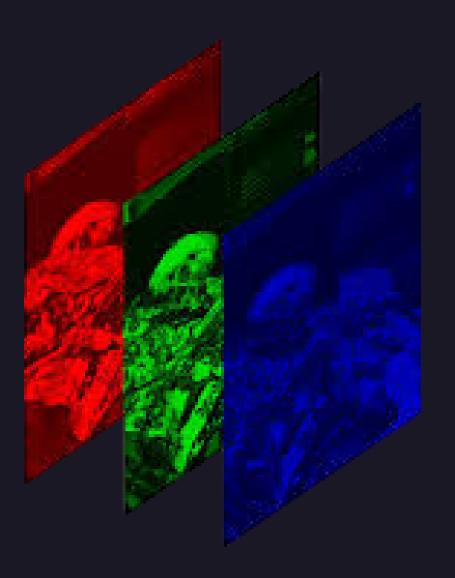
COLOURED IMAGE

Any colour can be represented as a combination of three colours:

- RED
- GREEN
- BLUE

So a coloured image can be represented as a 3D array of numbers.





THANKS