**Blur:**

**Effect:** Makes the image look smoother but you also loose quality as you blur more. This is quite a large blur, there are numerous different types, this however will give a smoother effect because it uses a larger range

**Bokeh Filter:**

**Effect:** This filter creates the effect of an out of focus lens, it gives intense blur. This filter adds up to one so it won’t change the brightness of the image. The problem with a filter like this is that it’s good for backgrounds but not for the main part of an image.

**Emboss Filter:**

**Effect:** This filter brings out the different colors and makes them much more defined. It gives the effect of some sections being raised higher, giving the image a depth. However this can make the image rather un attractive.

**Motion Blur Filter:**

**Effect:** This filter gives the effect of a lens being moved diagonally when the image is being taken. You could change the direction of the motion by changing the placement of the non 0 entries, for example if you wanted to be from right to left rather than left to right you would change the diagonal the numbers are on. This roughly adds up to 1 so the brightness won’t be changed.

**Sharpen Filter:**

**Effect:** This filter makes the edges more defined, a bit like emboss filter but not so dramatic. If used properly this filter can make an image look a lot better but if applied to much it can make the image grainy and it can also distort the colors.

**Edge Detect:**

**Effect:** As the title would suggest, this filter gives you the edges, everything else is removed. Anything that is a solid color will become black only that which is on a boundary will remain. This is very useful for finding objects in an image

**“X-Filter”**

**Effect:** This gives an interesting effect, it gives a blurred image but with the edges more defined, it’s like both a blur and an edge detect. It poses no real use however because it makes the image really ugly and it doesn’t really give you any useful information.