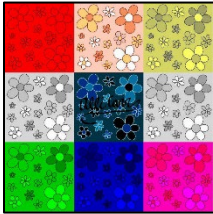
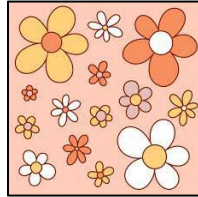


# Alli Carr

Completed



Originals



```
def collage():
    originalPict = makePicture(getMediaPath("flowerPic.jfif"))
    myName = makePicture(getMediaPath("alliSigned.png"))
    width = getWidth(originalPict)
    height = getHeight(originalPict)
    canvas = makeEmptyPicture(676,676)

    #Different color scalings
    redPict = redScale(originalPict)
    yellowPict = yellowScale(originalPict)
    greenPict = greenScale(originalPict)
    bluePict = blueScale(originalPict)
    purplePict = purpleScale(originalPict)
    negativePict = negative(originalPict)
    signedPict = signature(myName,negativePict)

    copyInto(originalPict,canvas,225,0)
    copyInto(redPict,canvas,0,0)
    copyInto(yellowPict,canvas,450,0)
    copyInto(greenPict,canvas,0,450)
    copyInto(bluePict,canvas,225,450)
    copyInto(purplePict,canvas,450,450)

    #Grayscaleing and negative
    grayPict = grayScale(originalPict)
    copyInto(grayPict,canvas,0,225)
    copyInto(grayPict,canvas,450,225)
    copyInto(signedPict,canvas,225,225)

    explore(canvas)

def grayScale(originalPict):
    grayPict = originalPict
    for px in getPixels(grayPict):
        intensity = (getRed(px)+getGreen(px)+getBlue(px))/3
        setColor(px,makeColor(intensity,intensity,intensity))
    return grayPict

#Making the image red vv
def redScale(originalPict):
    originalPict = makePicture(getMediaPath("flowerPic.jfif"))
    redPict = originalPict
    for px in getPixels(redPict):
        setBlue(px,0)
        setGreen(px,0)
    return redPict

#Making the yellow image vv
def yellowScale(originalPict):
    originalPict = makePicture(getMediaPath("flowerPic.jfif"))
    yellowPict = originalPict
```

```

for px in getPixels(yellowPict):
    intensity = (getRed(px)+getGreen(px)+getBlue(px))/3
    setColor(px,makeColor(intensity,intensity,100))
return yellowPict

#Making the green image
def greenScale(originalPict):
    originalPict = makePicture(getMediaPath("flowerPic.jfif"))
    greenPict = originalPict
    for px in getPixels(greenPict):
        setRed(px,0)
        setBlue(px,0)
    return greenPict

#Making the blue image vv
def blueScale(originalPict):
    originalPict = makePicture(getMediaPath("flowerPic.jfif"))
    bluePict = originalPict
    for px in getPixels(bluePict):
        setRed(px,0)
        setGreen(px,0)
    return bluePict

#Making the purple image vv
def purpleScale(originalPict):
    originalPict = makePicture(getMediaPath("flowerPic.jfif"))
    purplePict = originalPict
    for px in getPixels(purplePict):
        setGreen(px,0)
    return purplePict

#Negative image vv
def negative(originalPict):
    originalPict = makePicture(getMediaPath("flowerPic.jfif"))
    negativePict = originalPict
    for px in getPixels(negativePict):
        red = getRed(px)
        green = getGreen(px)
        blue = getBlue(px)
        negColor = makeColor(255-red,255-green,255-blue)
        setColor(px,negColor)
    return negativePict

#Chromakey name
def signature(source,bg):
    originalPict = makePicture(getMediaPath("flowerPic.jfif"))
    source = makePicture(getMediaPath("alliSigned.png"))
    negativePict = negative(originalPict)
    bg = negativePict
    for px in getPixels(source):
        x = getX(px)
        y = getY(px)
        if (getRed(px)+getBlue(px) < getGreen(px)):
            bgpx = getPixel(bg,x,y)
            bgcol = getColor(bgpx)
            setColor(px,bgcol)
    signedPict = source
    return signedPict

#Creating my signature
signature(myName,negativePict)

```