Homework2: Cassandra Cabrera and Mike Menendez Due: Feb 24, 2020

Summary: For this homework we used the glob python library to read in multiple images from our "images" directory. We added these images into a list of all images. Once we had the images list, we looped through each pixel from each image and added those to a list of their own. We then calculated what the median of the pixel at each point would be, to take out the anomaly. We added this calculated median to a new image and then displayed it.

Code:

```
from PIL import Image
import glob
# HW 2: Temporal Processing of Images
#will add the median pixel to a new "final" image
def aggregate(imgs):
     pic = Image.new("RGB", (imgs[0].width,imgs[0].height), "white")
for x in range(imgs[0].width):
         for y in range(imgs[0].height):
   pix = []
   for i in imgs:
                    pix.append(i.getpixel((x,y)))
               pix.sort()
               val = int(len(pix)/2)
     pic.putpixel((x,y), pix[val])
pic.save("images/final.png")
     pic.show()
def readin():
     imgs = glob.glob("images/*")
     imgs = [Image.open(image) for image in imgs]
     return imgs
def main():
     imgs = readin()
     aggregate(imgs)
              == "__main__":
     name
     main()
```

Results from The HW:

