

In [24]:

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In [72]: import os
import json
import shutil

def renameAll(path, num):
    for file in os.listdir(path):
        if file.startswith("r"):

            temp = file.split("_")[1]
            temp = int(temp.split(".")[0])

            in_json = open(path+file,"r")
            out_json = open(path+"record_{}.json".format(temp+num),"w")

            jsonData = json.load(in_json)
            jsonData["cam/image_array"] = "{}_cam-image_array_.jpg".format(temp+num)

            out_json.write(json.dumps(jsonData))

            in_json.close()
            out_json.close()

            os.unlink(path+file)

        elif file.endswith(".jpg"):
            temp = int(file.split("_")[0])
            os.rename(path+file,path+"{}_cam-image_array_.jpg".format(temp+num))

    return

def getLen(path):
    files = os.listdir(path)
    imgs = []
    for file in files:
        if file.endswith(".jpg"):
            imgs.append(file)
    return len(imgs)

def renameDir(path):
    files = os.listdir(path)
    for ind ,file in enumerate(files):
        shutil.move(path+file,path+"{}_tub".format(ind+1))

if __name__=="__main__":
    path = "data/"
    #     renameDir(path)

    files = os.listdir(path)

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files = os.listdir(path)
imgNum = getLen(path+files[0]+"/")

for file in files[1:]:
    imgNum += getLen(path+file+"/")
    renameAll(path+file+"/",imgNum)
    print("{}".format(file))
print("ok")
```

11tub
12tub
13tub
14tub
15tub
16tub
1tub
2tub
3tub
4tub
5tub
6tub
7tub
8tub
9tub
ok