

```
In [24]: import os
import json

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

            temp = file.split("_")[1]
            temp = int(temp.split(".")[0])
            in_json = open(path+file, "r")

            out_json = open(path+"newJson/record_{}.json".format(temp+1), "w")

            jsonData = json.load(in_json)
            jsonData["cam/image_array"] = "{}_cam-image_array_.jpg".format(temp+1)
            in_json.close()
            out_json.close()
        elif file.endswith("jpg"):
            temp = int(file.split("_")[0])
            os.rename(path+file, path+"{}_cam-image_array_.jpg".format(temp+1))

    return
```

```
In [25]: def getLen(path):
dirss = os.listdir(path)
listNums = []
for dirs in dirss:
    listNum = []
    files = os.listdir(path+dirs)
    for file in files:
        if file.endswith("jpg"):
            listNum.append(file)
    listNums.append(len(listNum))
return listNums
```

```
In [26]: reslut = getLen("data/")
```

```
In [27]: tmp = 0
for re in reslut:
    tmp += re
    print(tmp)
```

```
449
652
862
1121
1337
1589
1796
2002
```

```
In [28]: renameAll("data/tub_5_19-01-07/",862)
```

```
In [29]: renameAll("data/tub_6_19-01-07/",1121)
```

```
In [30]: renameAll("data/tub_7_19-01-07/",1337)
```

```
In [31]: renameAll("data/tub_8_19-01-07/",1589)
```

```
In [32]: renameAll("data/tub_9_19-01-07/",1796)
```

```
In [ ]:
```