```
import os
>>> def ext(path):
        newlist=[]
        newlist2=[]
        newlist3=[]
        for root,dirs,files in os.walk(path):
                for i in files:
                        filepath=os.path.join(root,i)
                        filextension=os.path.splitext(filepath)
                        filebase=os.path.basename(filepath)
                        newlist.append(filebase)
                        extension=filextension[-1:]
                        extension=str(extension)
                        ext=extension[2:-3]
                        newlist2.append(ext)
                for x in newlist2:
                        if x not in newlist3:
                                newlist3.append(x)
                for y in newlist3:
                        newlist4=[]
                        newlist5=[]
                        count=0
                        size=0
                        totalsize=0
                        maxx=0
                        minn=0
                        avgg=0
                        for h in newlist:
                                if y in h:
                                        newlist5.append(h)
                                else:
                                        continue
                        for t in newlist5:

size=os.path.getsize(os.path.join(root,t))
                                count=len(newlist5)
                                newlist4.append(size)
                                for g in newlist4:
                                        totalsize=sum(newlist4)
                                        maxx=max(newlist4)
                                        minn=min(newlist4)
                                        avgg=totalsize/count
                        print("extension: ",y, "count: ",count, "total
size of files with extension: ",totalsize, "max size: ", maxx, "min
size: ", minn, "average :", avgg)
```