**from** os **import** listdir  
data = listdir(**"results"**)  
allFiles = []  
fileList = []  
ipList = []  
ultiList = []  
  
**for** individuals **in** data:  
 inData = open(**"results/"** + individuals,**"r"**)  
 contents = inData.readlines()  
 allFiles.append(contents)  
 *#print(contents)***for** xfile **in** allFiles:  
  
 *# 1. Condition* Condition = contents[0].strip(**"\n"**)  
 Condition = Condition.replace(**" "**, **""**)  
 AddreIP = contents[2]  
 AddreIP = AddreIP.replace(**"IP address: "**, **""**)  
 *# remove the "IP address: " to get just the numbers. Easier to compare.  
 # print(AddreIP)  
 #Delete repeat IP addresses* **if** AddreIP **in** ipList:  
 **continue  
 else**:  
 ipList.append(AddreIP)  
  
 *# 2. Name, Age, Gender* NAGgroup = contents[3]  
 *# Need to seperate the name, age, and gender* NAGgroup = NAGgroup.split(**","**)  
 Name = NAGgroup[0]  
 Age = NAGgroup[1]  
 Categories = contents[4]  
 Gender = NAGgroup[2]  
  
 *# 3. Gender; Male = 1, Female = 2* Gender = Gender.upper()  
 **if** Gender == **"FEMALE\n"**:  
 Gender = **"2"  
 elif** Gender == **"MALE\n"**:  
 Gender = **"1"  
 else**:  
 print(**"error"**)  
 *# print(Condition+","+AddreIP+","+Name+","+Age+","+Gender)  
  
 # 4. Proportion of Hits, Near misses, Full misses over total number of trials* trials = contents[5:]  
 Trials = str(trials)  
 Trials = Trials.upper()  
 Trials = Trials.replace(**"'"**, **""**)  
 *# Need to clean up the parts of the list* Trials = Trials.replace(**"["**, **""**)  
 Trials = Trials.replace(**" "**, **""**)  
 Trials = Trials.split(**","**)  
 *# print(Trials)* wordTrial = Trials[0]  
 *# print(wordTrial)  
  
 # 4. Calculate proportions (of hits, near misses, and full misses)out of #of trials* countTrials = Trials.count(**"TRIAL"**)  
 *# print(countTrials)* numHits = Trials.count(**"HIT"**)  
 numNearMiss = Trials.count(**"NEARMISS"**)  
 numFullMiss = Trials.count(**"FULLMISS"**)  
 *# print(numFullMiss)* numTrials = str(countTrials)  
 *# need to convert to str to print the proportion; mixed use* numHits = str(numHits)  
 numNearMiss = str(numNearMiss)  
 numFullMiss = str(numFullMiss)  
 PHits = numHits + **":"** + numTrials  
 PNearMiss = numNearMiss + **":"** + numTrials  
 PFullMiss = numFullMiss + **":"** + numTrials  
 *# print(PFullMiss)  
  
 # 5. Find mean happiness, mean willingness to continue per outcome type (hit, near misses, and full misses)* hitHappiness = []  
 nMissHappiness = []  
 fMissHappiness = []  
 numHits = int(numHits)  
 numNearMiss = int(numNearMiss)  
 numFullMiss = int(numFullMiss)  
 meanHitHappiness = ()  
 meanNMissHappiness = ()  
 meanFMissHappiness = ()  
  
 hitWill = []  
 nMissWill = []  
 fMissWill = []  
 numHits = int(numHits)  
 numNearMiss = int(numNearMiss)  
 numFullMiss = int(numFullMiss)  
 meanHitWill = ()  
 meanNMissWill = ()  
 meanFMissWill = ()  
  
 **for** Trials **in** contents[5:]:  
 Trials = Trials.upper()  
 splitTrials = Trials.split(**","**)  
 *# print(splitTrials)* **if "HIT" in** Trials:  
 HHappiness = splitTrials[7]  
 HWill = splitTrials[8]  
 HWill = HWill.replace(**"\n"**, **""**)  
 hitHappiness.append(HHappiness)  
 hitWill.append(HWill)  
 hitHappiness = [int(i) **for** i **in** HHappiness]  
 hitWill = [int(i) **for** i **in** HWill]  
 sumHHappiness = sum(hitHappiness)  
 sumHWill = sum(hitWill)  
 meanHitHappiness = sumHHappiness / numHits  
 meanHitWill = sumHWill / numHits  
 *# print(HHappiness)  
 # print(meanHitWill)* **elif "NEARMISS" in** Trials:  
 nMHappiness = splitTrials[7]  
 nMWill = splitTrials[8]  
 nMWill = nMWill.replace(**"\n"**, **""**)  
 nMissHappiness.append(nMHappiness)  
 nMissWill.append(nMWill)  
 nMissHappiness = [int(i) **for** i **in** nMHappiness]  
 nMissWill = [int(i) **for** i **in** nMWill]  
 sumNMHappiness = sum(nMissHappiness)  
 sumNMWill = sum(nMissWill)  
 meanNMissHappiness = sumNMHappiness / numNearMiss  
 meanNMissWill = sumNMWill / numNearMiss  
 *# print(meanNMissHappiness)  
 # print(meanNMissWill)* **elif "FULLMISS" in** Trials:  
 fMHappiness = splitTrials[7]  
 fMWill = splitTrials[8]  
 fMWill = fMWill.replace(**"\n"**, **""**)  
 fMissHappiness.append(fMHappiness)  
 fMissWill.append(fMWill)  
 fMissHappiness = [int(i) **for** i **in** fMHappiness]  
 fMissWill = [int(i) **for** i **in** fMWill]  
 sumFMHappiness = sum(fMissHappiness)  
 sumFMWill = sum(fMissWill)  
 meanFMissHappiness = sumFMHappiness / numFullMiss  
 meanFMissWill = sumFMWill / numFullMiss  
 *# print(meanFMissHappiness)  
 # print(meanFMissWill)  
  
 # 6. The Max and Min Happiness levels and the trial it is in* happiList = []  
 **for** Trials **in** contents[5:]:  
 Trials = Trials.upper()  
 splitTrials = Trials.split(**","**)  
 **if** splitTrials[0] == **"TRIAL"**:  
 happi = splitTrials[7]  
 happiList.append(happi)  
 happiList = [int(i) **for** i **in** happiList]  
 *#print(happiList)* happiMax = max(happiList)  
 happiMin = min(happiList)  
  
 trialMax = happiList.index(happiMax) + 1  
 trialMin = happiList.index(happiMin) + 1  
 trialMax = str(trialMax)  
 trialMin = str(trialMin)  
 happiMax = str(happiMax)  
 happiMin = str(happiMin)  
  
 happiMaxTrial = happiMax + **"/"** + trialMax  
 happiMinTrial = happiMin + **"/"** + trialMin  
  
 *#print(happiMax + "," + trialMax)  
 #print(happiMin + "," + trialMin)  
 #print(Name)  
 #print(happiMaxTrial)  
 #print(happiMinTrial)  
  
 #Set up for one csv file* title = **"Condition, Name, Age, Gender (m=1, f=2), Proportion Hits, Proportion Near Misses, Proportion Full Misses, Mean Hits Happiness, Mean Near Misses Happiness, Mean Full Misses Happiness, Mean Hits Willingness, Mean Near Misses Willingness, Mean Full Misses Willingness, Happiness Max/Trial#, Happiness Min/Trial#"** *#row = "{0}, {1}, {2}, {3}, {4}, {5}, {6}, {7}, {8}, {9}, {10}, {11}, {12}, {13}, {14}\n"  
 #row = row.format(Condition, Name, Age, Gender, PHits, PNearMiss, PFullMiss, meanHitHappiness, meanNMissHappiness, meanFMissHappiness, meanHitWill, meanNMissWill, meanFMissWill, happiMaxTrial, happiMinTrial )  
 #print(row)  
 #fileList.append(row)  
 #print(fileList)* indTrial = [Condition, Name, Age, Gender, PHits, PNearMiss, PFullMiss, meanHitHappiness, meanNMissHappiness, meanFMissHappiness, meanHitWill, meanNMissWill, meanFMissWill, happiMaxTrial, happiMinTrial]  
 *#indTrial = indTrial* ultiList.append(indTrial)  
indTrial = str(indTrial)  
print(ultiList)  
  
*#Open, write, and close csv file***for** i **in** data:  
 finalFile = open(**"resultsSummary.csv"**, **"w"**)  
 finalFile.write(title + **"\n"**)  
 finalFile.write(str(ultiList) + **"\n"**)  
 finalFile.close()

Take 2:

**from** os **import** listdir  
data = listdir(**"results"**)  
allFiles = []  
fileList = []  
ipList = []  
indTrial = []  
ultiList = []  
finUlList = []  
finalData = []  
**for** individuals **in** data:  
 inData = open(**"results/"** + individuals,**"r"**)  
 contents = inData.readlines()  
 allFiles.append(contents)  
 *#print(contents)* **for** xfile **in** allFiles:  
  
 *# 1. Condition* Condition = contents[0].strip(**"\n"**)  
 Condition = Condition.replace(**" "**, **""**)  
 *#finalData.append(Condition)* AddreIP = contents[2]  
 AddreIP = AddreIP.replace(**"IP address: "**, **""**)  
 *# remove the "IP address: " to get just the numbers. Easier to compare.  
 # print(AddreIP)  
 #Delete repeat IP addresses* **if** AddreIP **in** ipList:  
 **continue  
 else**:  
 ipList.append(AddreIP)  
  
 *# 2. Name, Age, Gender* NAGgroup = contents[3]  
 *# Need to seperate the name, age, and gender* NAGgroup = NAGgroup.split(**","**)  
 Name = NAGgroup[0]  
 *#finalData.append(Name)* Age = NAGgroup[1]  
 *#finalData.append(Age)* Categories = contents[4]  
 Gender = NAGgroup[2]  
  
 *# 3. Gender; Male = 1, Female = 2* Gender = Gender.upper()  
 **if** Gender == **"FEMALE\n"**:  
 Gender = **"2"  
 elif** Gender == **"MALE\n"**:  
 Gender = **"1"  
 else**:  
 print(**"error"**)  
 *#finalData.append(Gender)  
 # print(Condition+","+AddreIP+","+Name+","+Age+","+Gender)  
  
 # 4. Proportion of Hits, Near misses, Full misses over total number of trials* trials = contents[5:]  
 Trials = str(trials)  
 Trials = Trials.upper()  
 Trials = Trials.replace(**"'"**, **""**)  
 *# Need to clean up the parts of the list* Trials = Trials.replace(**"["**, **""**)  
 Trials = Trials.replace(**" "**, **""**)  
 Trials = Trials.split(**","**)  
 *# print(Trials)* wordTrial = Trials[0]  
 *# print(wordTrial)  
  
 # 4. Calculate proportions (of hits, near misses, and full misses)out of #of trials* countTrials = Trials.count(**"TRIAL"**)  
 *# print(countTrials)* numHits = Trials.count(**"HIT"**)  
 numNearMiss = Trials.count(**"NEARMISS"**)  
 numFullMiss = Trials.count(**"FULLMISS"**)  
 *# print(numFullMiss)* numTrials = str(countTrials)  
 *# need to convert to str to print the proportion; mixed use* numHits = str(numHits)  
 numNearMiss = str(numNearMiss)  
 numFullMiss = str(numFullMiss)  
 PHits = numHits + **":"** + numTrials  
 PNearMiss = numNearMiss + **":"** + numTrials  
 PFullMiss = numFullMiss + **":"** + numTrials  
 *# print(PFullMiss)  
 #finalData.append(PHits)  
 #finalData.append(PNearMiss)  
 #finalData.append(PFullMiss)  
  
 # 5. Find mean happiness, mean willingness to continue per outcome type (hit, near misses, and full misses)* hitHappiness = []  
 nMissHappiness = []  
 fMissHappiness = []  
 numHits = int(numHits)  
 numNearMiss = int(numNearMiss)  
 numFullMiss = int(numFullMiss)  
 meanHitHappiness = ()  
 meanNMissHappiness = ()  
 meanFMissHappiness = ()  
  
 hitWill = []  
 nMissWill = []  
 fMissWill = []  
 numHits = int(numHits)  
 numNearMiss = int(numNearMiss)  
 numFullMiss = int(numFullMiss)  
 meanHitWill = ()  
 meanNMissWill = ()  
 meanFMissWill = ()  
  
 **for** Trials **in** contents[5:]:  
 Trials = Trials.upper()  
 splitTrials = Trials.split(**","**)  
 *# print(splitTrials)* **if "HIT" in** Trials:  
 HHappiness = splitTrials[7]  
 HWill = splitTrials[8]  
 HWill = HWill.replace(**"\n"**, **""**)  
 hitHappiness.append(HHappiness)  
 hitWill.append(HWill)  
 hitHappiness = [int(i) **for** i **in** HHappiness]  
 hitWill = [int(i) **for** i **in** HWill]  
 sumHHappiness = sum(hitHappiness)  
 sumHWill = sum(hitWill)  
 meanHitHappiness = sumHHappiness / numHits  
 meanHitWill = sumHWill / numHits  
 *# print(HHappiness)  
 # print(meanHitWill)* **elif "NEARMISS" in** Trials:  
 nMHappiness = splitTrials[7]  
 nMWill = splitTrials[8]  
 nMWill = nMWill.replace(**"\n"**, **""**)  
 nMissHappiness.append(nMHappiness)  
 nMissWill.append(nMWill)  
 nMissHappiness = [int(i) **for** i **in** nMHappiness]  
 nMissWill = [int(i) **for** i **in** nMWill]  
 sumNMHappiness = sum(nMissHappiness)  
 sumNMWill = sum(nMissWill)  
 meanNMissHappiness = sumNMHappiness / numNearMiss  
 meanNMissWill = sumNMWill / numNearMiss  
 *# print(meanNMissHappiness)  
 # print(meanNMissWill)* **elif "FULLMISS" in** Trials:  
 fMHappiness = splitTrials[7]  
 fMWill = splitTrials[8]  
 fMWill = fMWill.replace(**"\n"**, **""**)  
 fMissHappiness.append(fMHappiness)  
 fMissWill.append(fMWill)  
 fMissHappiness = [int(i) **for** i **in** fMHappiness]  
 fMissWill = [int(i) **for** i **in** fMWill]  
 sumFMHappiness = sum(fMissHappiness)  
 sumFMWill = sum(fMissWill)  
 meanFMissHappiness = sumFMHappiness / numFullMiss  
 meanFMissWill = sumFMWill / numFullMiss  
 *# print(meanFMissHappiness)  
 # print(meanFMissWill)  
 #finalData.append(meanHitHappiness)  
 #finalData.append(meanHitWill)  
 #finalData.append(meanNMissHappiness)  
 #finalData.append(meanNMissWill)  
 #finalData.append(meanFMissHappiness)  
 #finalData.append(meanFMissWill)  
  
  
 # 6. The Max and Min Happiness levels and the trial it is in* happiList = []  
 **for** Trials **in** contents[5:]:  
 Trials = Trials.upper()  
 splitTrials = Trials.split(**","**)  
 **if** splitTrials[0] == **"TRIAL"**:  
 happi = splitTrials[7]  
 happiList.append(happi)  
 happiList = [int(i) **for** i **in** happiList]  
 *#print(happiList)* happiMax = max(happiList)  
 happiMin = min(happiList)  
  
 trialMax = happiList.index(happiMax) + 1  
 trialMin = happiList.index(happiMin) + 1  
 trialMax = str(trialMax)  
 trialMin = str(trialMin)  
 happiMax = str(happiMax)  
 happiMin = str(happiMin)  
  
 happiMaxTrial = happiMax + **"/"** + trialMax  
 happiMinTrial = happiMin + **"/"** + trialMin + **"\n"** *#finalData.append(happiMaxTrial)  
 #finalData.append(happiMinTrial)  
  
 #print(happiMax + "," + trialMax)  
 #print(happiMin + "," + trialMin)  
 #print(Name)  
 #print(happiMaxTrial)  
 #print(happiMinTrial)  
  
 #Set up for one csv file* title = **"Condition, Name, Age, Gender (m=1, f=2), Proportion Hits, Proportion Near Misses, Proportion Full Misses, Mean Hits Happiness, Mean Near Misses Happiness, Mean Full Misses Happiness, Mean Hits Willingness, Mean Near Misses Willingness, Mean Full Misses Willingness, Happiness Max/Trial#, Happiness Min/Trial#"** row = **"{0}, {1}, {2}, {3}, {4}, {5}, {6}, {7}, {8}, {9}, {10}, {11}, {12}, {13}, {14} + \n"** row = row.format(Condition, Name, Age, Gender, PHits, PNearMiss, PFullMiss, meanHitHappiness, meanNMissHappiness, meanFMissHappiness, meanHitWill, meanNMissWill, meanFMissWill, happiMaxTrial, happiMinTrial )  
 *#finalData = "{0}, {1}, {2}, {3}, {4}, {5}, {6}, {7}, {8}, {9}, {10}, {11}, {12}, {13}, {14} + \n"  
 #finalData = finalData.format(Condition, Name, Age, Gender, PHits, PNearMiss, PFullMiss, meanHitHappiness, meanNMissHappiness, meanFMissHappiness, meanHitWill, meanNMissWill, meanFMissWill, happiMaxTrial, happiMinTrial)  
 #print(row)  
 #fileList.append(row)* print(fileList)  
  
 finalFile = open(**"test2.csv"**, **"w"**)  
 finalFile.write(title + **"\n"**)  
 finalFile.write(str(finalData))  
 finalFile.close()  
 *#indTrial = [Condition, Name, Age, Gender, PHits, PNearMiss, PFullMiss, meanHitHappiness, meanNMissHappiness, meanFMissHappiness, meanHitWill, meanNMissWill, meanFMissWill, happiMaxTrial, happiMinTrial]  
 #indTrial = indTrial  
 #ultiList.append(indTrial)  
#indTrial = str(indTrial)  
#print(ultiList)  
#for list in ultiList:  
 # need to add "\n" to split into new lines  
 #print(list)  
 #list = str(list)  
 #finList = list + "\n"  
 #print(finList)  
 #finUlList.append(finList)  
#Open, write, and close csv file  
#for xfiles in allFiles:  
 #finalFile = open("test.csv", "w")  
 #finalFile.write(title + "\n")  
 #finalFile.write(str(finUlList) + "\n")  
 #finalFile.close()*