PyPoll scripts

import os

import csv

election\_data = os.path.join("PyPoll","Resources","election\_data.csv")

total\_votes = 0

cands\_unique = []

cand\_vote = []

with open(election\_data, newline="") as csvfile:

    csvreader = csv.reader(csvfile, delimiter=",")

    csv\_header = next(csvfile)

    print(f"Header: {csv\_header}")

    for row in csvreader:

        total\_votes += 1

        cand\_on = (row[2])

        if cand\_on in cands\_unique:

            cand\_index = cands\_unique.index(cand\_on)

            cand\_vote[cand\_index] = cand\_vote[cand\_index] + 1

        else:

            cands\_unique.append(cand\_on)

            cand\_vote.append(1)

point = []

maxv = cand\_vote[0]

max\_index = 0

for x in range(len(cands\_unique)):

    vote\_point = round(cand\_vote[x]/total\_votes\*100, 2)

    point.append(vote\_point)

    if cand\_vote[x] >maxv:

       maxv = cand\_vote[x]

       max\_index = x

election\_win = cands\_unique[max\_index]

print("Election Results")

print("-----------------------------")

print("Total Votes : ",total\_votes)

print("-----------------------------")

for x in range(len(cands\_unique)):

    print(cands\_unique[x]," : ",point[x],"% ",cand\_vote[x])

print("-----------------------------")

print("Winner : ",election\_win.upper())

print("-----------------------------")

output\_file = os.path.join("PyPollResults.txt")

with open(output\_file, "w", newline="") as datafile:

    datafile.write("Election Results" + "\n")

    datafile.write("--------------------------------" + "\n")

    datafile.write("Total Votes : " + str(total\_votes) + "\n")

    datafile.write("--------------------------------" + "\n")

    for x in range(len(cands\_unique)):

        datafile.write(str(cands\_unique[x]) + str(point[x]) + "% " + str(cand\_vote[x]) + "\n")

    datafile.write("---------------------------" + "\n")

    datafile.write("Winner : " + str(election\_win.upper()) + "\n")

    datafile.write("---------------------------" + "\n")