import os

import csv

pypoll\_csv = os.path.join("election\_data.csv")

with open(pypoll\_csv,encoding='utf-8-sig') as csv\_file:

    # CSV reader specifies delimiter and variable that holds contents

    csv\_reader = csv.reader(csv\_file, delimiter=',')

    csv\_header = next(csv\_reader)

    #emmpty list to store the candidates names in after read from a csv file

    candidates = []

    # gathering the information in row 2 from csv file and pushing it to empty "candidates" list

    for row in csv\_reader:

        candidates.append(row[2])

        #setting variables and counting the amount of times each candidate appears in the "candidates" list

        charles\_casper\_stockham = candidates.count("Charles Casper Stockham")

        diana\_degette = candidates.count("Diana DeGette")

        raymon\_anthony\_doane = candidates.count("Raymon Anthony Doane")

        #a variable to save the length of the candidates list

        total\_votes = len(candidates)

#if statement to save the winner of the election, comparing the scores of each candidate

if (charles\_casper\_stockham > diana\_degette) and (charles\_casper\_stockham > raymon\_anthony\_doane):

    number\_one = "Charles Casper Stockham"

elif (diana\_degette > charles\_casper\_stockham) and (diana\_degette > raymon\_anthony\_doane):

    number\_one = "Diana DeGette"

elif (raymon\_anthony\_doane > charles\_casper\_stockham) and (raymon\_anthony\_doane > diana\_degette):

    number\_one = "Raymon Anthony Doane"

print("Election Results")

print("-"\*25)

print(f"Total Votes: " + str(total\_votes) )

print("-"\*25)

print(f"Charles Casper Stockham: " + str(round((charles\_casper\_stockham/total\_votes)\*100,3)) + "%    " + "(" + str(charles\_casper\_stockham) + ")")

print(f"Diana DeGette: " + str(round((diana\_degette/total\_votes)\*100,3)) + "%    " + "(" + str(diana\_degette) + ")")

print(f"Raymon Anthony Doane: " + str(round((raymon\_anthony\_doane/total\_votes)\*100,3)) + "%    " + "(" + str(raymon\_anthony\_doane) + ")")

print("-"\*25)

print(f"Winner:   " +str(number\_one))

print("-"\*25)

Text

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