# Import the data and skip headers

import os

import csv

election\_data\_csv = ("PyPoll\_Resources\_election\_data.csv")

# Set initial values

total\_votes = 0

vote\_counts\_dict = {"Candidate": {}, "Votes": {}}

percent\_votes = 0

max\_votes = -1000000

name = []

unique\_names = []

winner = ""

with open(election\_data\_csv) as csvfile:

    csvreader = csv.reader(csvfile)

    headers = next(csvreader, None)

    for row in csvfile:

        #Tally total votes cast

        total\_votes = total\_votes + 1

        # List candidates who received votes

        name = str(election\_data\_csv[2])

        # check for all elements in "Candidate" column

            # check if exists in unique list or not

        if name not in unique\_names:

            unique\_names.append(name)

            vote\_count = 1

            # Code from w3schools.com

            vote\_counts\_dict.update({"Candidate" : unique\_names , "Votes" : vote\_count})

        else:

            vote\_count = vote\_count + 1

            vote\_counts\_dict.update({"Candidate" : unique\_names , "Votes" : vote\_count})

        percent\_votes = (vote\_count / total\_votes)

        # Find maximum number of votes

        if vote\_count > max\_votes:

            max\_votes = vote\_count

            winner = name

# Print total votes cast

print("Election Results")

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

print(f'Total Votes: {total\_votes}')

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

# Print each candidate's name and number of votes

print(vote\_counts\_dict)

# Print winning candiate's name

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

print(f"Winner: , {winner}, {vote\_count}, votes")

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