main

October 9, 2019

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[12]: import pandas as pd
     import os
     import csv
[13]: # Set path for file
     csv_path = ("Resources/election_data.csv")
     # Import the election data.csv file as a DataFrame and print the first 6 rowsu
     \rightarrow including the header
     election_df = pd.read_csv(csv_path, encoding="utf-8")
     election_df.head()
[13]:
      Voter ID County Candidate
     0 12864552 Marsh
                             Khan
     1 17444633 Marsh
                           Correv
     2 19330107 Marsh
                              Khan
     3 19865775 Queen
                             Khan
     4 11927875 Marsh
                             Khan
[15]: total_votes = election_df["Voter ID"].count()
[69]: name = election_df["Candidate"].unique()
[45]: candidate votes = sum(x == name for x in election df["Candidate"])
     candidate_pctg = (candidate_votes/total_votes)*100
     candidate_votes.max()
[45]: 2218231
[66]: election_results = [name, candidate_votes]
     results_df = pd.DataFrame(election_results)
     results_df = results_df.transpose()
     results_df = results_df.rename(columns={0:"name", 1:"candidate_votes"})
     winner = results_df.loc[results_df["candidate_votes"] == candidate_votes.
      \rightarrowmax(),["name"]]
     winner["name"][0]
[66]: 'Khan'
[68]: print("'''text")
     print("Election Results")
```

[]: # Export file as a CSV, without the Pandas index, but with the header election_df.to_csv("Output/fileOne.csv", index=False, header=True)