1.  **Explain the purpose of this election audit analysis.**

**Answer:**

- Determine the total number of votes received by each contender and add them together.

- Find out which county had the most voter participation.

- Find out who won the election according to the number of votes they received.

- Obtain a comprehensive list of the counties that participated in the election.

- Find out who won the election according to the number of votes they received.

- Determine the proportion of votes that were cast in each county.

- Get a comprehensive list of candidates who earned votes.

- Determine the percentage of voters that participated in each county's election.

2. **Using a bulleted list, address the following election outcomes. Use images or examples of your code as support where necessary.**

**How many votes were cast in this congressional election?**

**Answer:** There were a total of 369,711 votes cast in this election for

the congressional seat.

**Provide a breakdown of the number of votes and the percentage of total votes for each county in the precinct.**

**Answer:** Jefferson received 38,855 votes, or 10.5% of the total.

Denver received 306,055 votes, or 82.8% of the total.

The Arapahoe community had a turnout of 6.7%, or 24,801.

Text

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**Which County had the largest number of votes?**

**Answer:** Denver County received the most votes.

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**Provide a breakdown of the number of votes and the percentage of the total votes each candidate received.**

**Answer:** With 85,213 votes, Charles Casper Stockham won 23.0% of

the popular vote. With 272,892 votes, Diana DeGette won with 73.8% of the vote.

The total number of votes cast for Raymon Anthony Doane was 11,606. This amounts to 3.1% of the total.

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**Which candidate won the election, what was their vote count, and what was their percentage of the total votes?**

**Answer:** Diana DeGette won the election with 72.8% of the vote and 272,892 votes.Text

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**3. In a summary statement, provide a business proposal to the election commission on how this script can be used—with some modifications—for any election. Give at least two examples of how this script can be modified to be used for other elections.**

**Answer:** I would want to suggest to the election commission that they may utilize the PyPoll Challenge.py script for additional elections, but with some adjustments. In its current state, the software is designed to do an analysis of the election results.csv file by going over each row and reading the information included in the second and third columns, which are labeled "County" and "Candidate," respectively, in order to compute and report the results. This code may be changed and used to the results of any election in a variety of different ways thanks to its modular design. It is possible, for instance, to alter the program such that it iterates over the header row in order to choose the column from which to retrieve the data. After then, the appropriate analysis will be performed on files that include columns that are ordered in a different order. It will also no longer be necessary for the programmer to check the data in order to verify that the script is reading the appropriate columns. One other possibility is to read data from extra columns in order to compute and publish more results. This might be done in a number of ways. This is helpful for files that provide additional information, such the kind of ballot that was used or the date that the vote was cast.