**Written Analysis of the Election Audit**

1. **Overview of Election Audit:** Explain the purpose of this election audit analysis.

The purpose of this election audit analysis is to obtain election results in a summarized form using tools such as loops and if statement to find results.

1. **Election-Audit Results:** 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?

Total votes casted in congressional election are 369,711. Graphical user interface, text, website

Description automatically generated

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

The breakdown of votes and the percentage of total votes for each county are the following:

Text

Description automatically generated

This is also shown on the text file.

* + Which county had the largest number of votes?

The county that had the largest number of votes is Denver.

Graphical user interface, website

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

The breakdown of number of votes and the percentage of total votes by each candidate are the following:

Text

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

The candidate that won the election is Diana, vote count is 272,892 which constitute 73.8%.

Text

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1. **Election-Audit Summary:** 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.

The election commission can use this script to summarize election results easily and efficiently. This script can be used for any elections in future without requiring changing the scripts.

The script can be modified to get more information on the voters by showing who votes by last name, sex, gender etc to understand the demographic information of the voters. This can take further one step by using total votes and deduct based on age group to understand the percentile of votes based on total votes cast.