**Election Audit Overview:**

Our tasking with this Election audit was simply to determine, based on popular vote, who won the election for the district that includes Arapahoe County, Denver County, and Jefferson County. To ensure the elections results were fair and counted with unbiased eyes, I wrote a program to tally up and display the results in a simple and easy to understand format.

**Election Audit (The Code):**

**For the sake of full transparency, I will now break down the Code used to calculate the election. First, the data. We were given the total collected votes on a data spreadsheet (Excel) with a total of 369,711 votes. That’s a lot of votes to count by hand. Luckily, with the code I provided the computer was able to count them all fairly quickly. First I needed the code to read the data so it knew what to count.**

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Now that the code knows what it needs to count, we needed to tell it how to do the counting. In the next series of script we are telling the code how to count the votes by adding one to the total for each vote so we can increase the totals.Text

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After running the program we need to assign the results to the appropriate pieces of data. Which candidate got how many votes and which county voted for who. Once the code has assigned its values we need it to tell us the results. The code below:

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**Election Results:**

When we run the code we see our Results nice and neat. As we already stated, we had 369,711 total votes. Broken down by count you see Jefferson county had 10.5% of all votes or 38,855 votes. Denver, the most populous county had 82.8% of all votes with 306,055 total voters. Arapahoe had 6.7% of the votes with 24,801 voters. Clearly the candidate which takes the majority votes in Denver had a very high chance of winning this election. The candidates and results are as follows:

Charles Casper Stockham with 23% of the vote or 85,213 votes.

Diana DeGette with 73.8% or 272,892 votes.

Raymon Anthony Doane with 3.1% of the votes or 11,606 votes.

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**Election-Audit Summary:**

This Election audit shows the success of our code in quickly ascertaining the results of the local election and reducing the risk of election fraud by keeping the process automated and digital. I believe this code can be used in future elections to maintain the security and sanctity of this noble civil service. Once the votes are collected and digitized on a spreadsheet all that should need to be changed would be source of data the code would need to run. Once the updated data is applied the code should process it and return the election results for all of your future elections. Thank you for giving us the opportunity to showcase our code with your recent elections and I hope we can continue to serve all future elections with our product code. Thank you.