**Election Results Analysis in Python using Visual Studio**

**Overview of Election-Audit Project:**

Using the Election data provided write code that will determine how many votes and the percentage of votes each candidate received to determine the winter of the election. In addition to the final results add to the code to provide information on voter turnout by county. Print the result to both the command line (screen) as well as to a text file.

**Election-Audit Results & Output:**

**Total votes cast:**

This number is used to calculate the percentages of the election:

Graphical user interface

Description automatically generated

**Analysis of Voter Turnout by County:**

Here is the break down to the total votes cast by county. You see that the majority of the votes came from “Denver” county:

Text

Description automatically generated

**Analysis of Election Results:**

Result of the election for each candidate and declaring the winner:

Text

Description automatically generated

A black screen with white text

Description automatically generated with medium confidence

**Election-Audit Summary:**

The code written for this Election-Audit could be used to analyze and determine results for any election data that was formatted the same as our data set. That being three columns in (Ballot Id, County, Candidate) order. The code was written so that the candidate and count lists were generated from the data provided. It would not be difficult to modify the code to include more granular voter turnout information if that information was provided on additional columns. Such as precincts or polling stations information. A possible improvement the code would be to get a list of registered voters by county that could be used to calculate the percentage of registered voters that participated by county.