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Election Results program

The goal of this program is to read a text file and compute the total winner and percentage of votes.

First:

In a method: Read for input file. “type exit” to exit. Also if file is not found, throw exception.

Declare arrays to store data. Determine array length by reading lines in file in a separate method.

In a for while loop, read data from file and put data into votes array and name array.

Calculate sum of total votes in a separate method by reading votes array return to main method.

Calculate % of votes by dividing the votes/sum of total votes

Print header from separate method to set up columns for election results.

Print out results in columns from arrays

Calculate the winner by going to a separate method that would get the index of the high vote count. That way it would correlate with the candidate as well.

Test Plan:

Electiontest.txt

|  |  |  |
| --- | --- | --- |
| Name | Votes | % of total Vote |
| Obama | 50000 | 50000/155700 = 32% |
| McCain | 10000 | 10000/155700 = 6% |
| Huckabee | 40000 | 40000/155700 = 26% |
| Santorum | 12500 | 12500/155700 = 8% |
| Woods | 43200 | 43200/155700 = 28% |
|  |  |  |

Sum of Votes: 155700

Winner = Obama