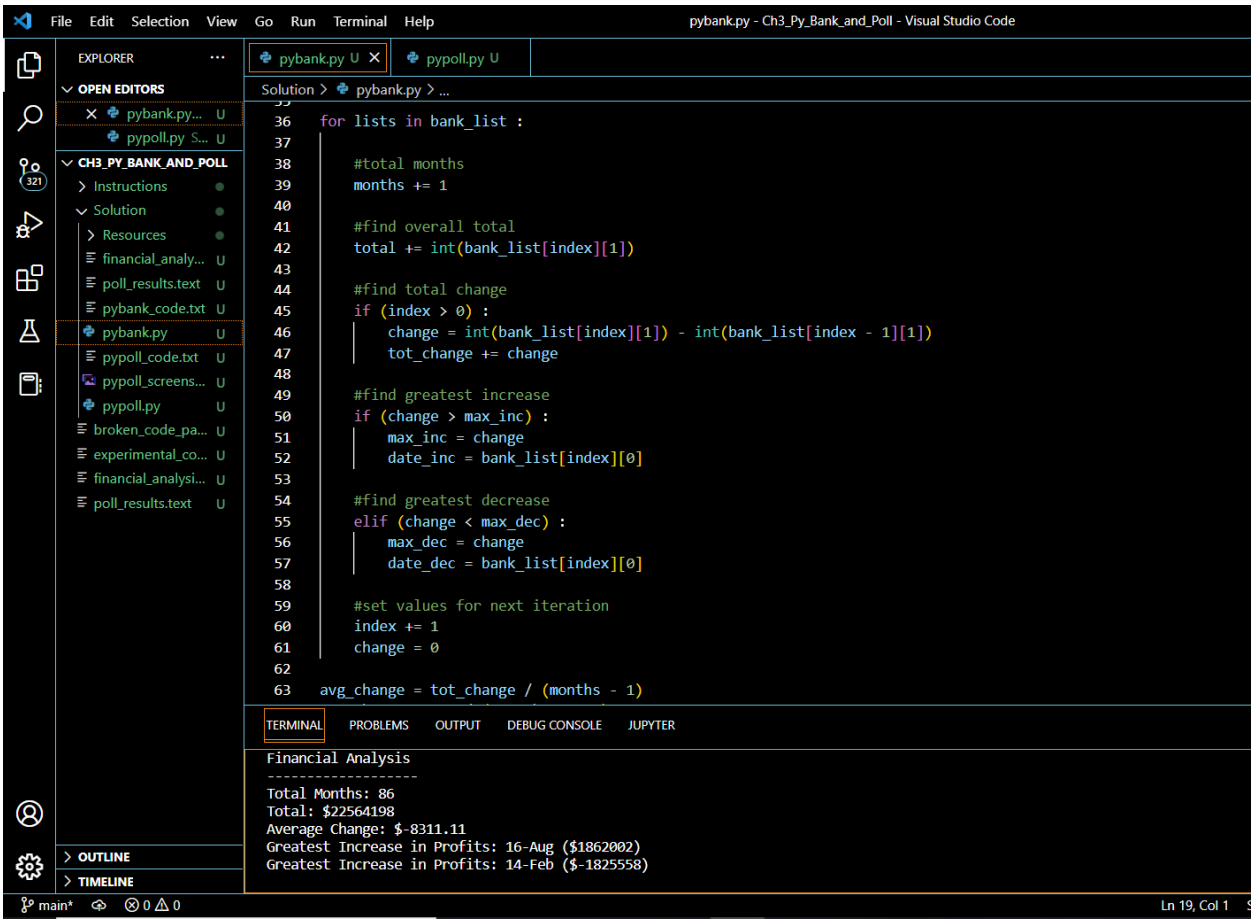
The pybank and pypoll python files run code that pulls data from csv files and then runs functions on that data to print out results. The pybank data is formatted in the csv file as two columns. The first column has a day and month combination, and the second column has the account profit or loss. The pypoll data is formatted in the csv file into three columns: voter ID, county, candidate.

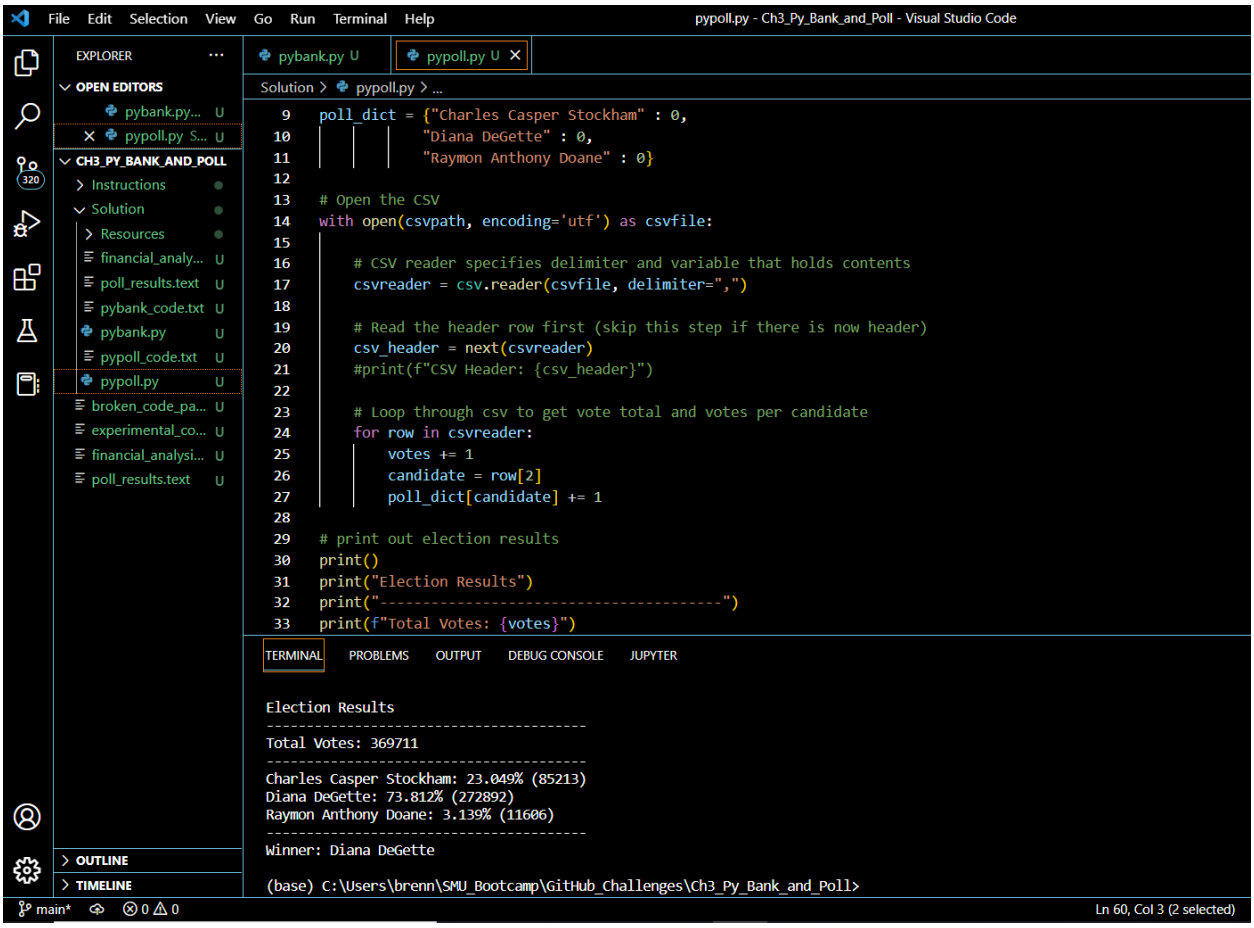
The instructions for pybank are as follows:

- Find the total number of months
- Find the total amount of profits or losses over the entire period
- Find the greatest increase in profits (date and amount) over the entire period
- Find the greatest decrease in profits (date and amount) over the entire period
- Print the analysis with all of the above into the terminal and a separate text file

The instructions for pybank are as follows:

- Find the total amount of votes cast
- Find the percentage and total number of votes per candidate
- Find the winner of the election based on popular vote
- Print out the election results in the terminal and into a separate text file


File Edit Selection View Go Run Terminal Help
pybank.py - Ch3_Py_Bank_and_Poll - Visual Studio Code
EXPLORER
OPEN EDITORS
pybank.py... U
pypoll.py S... U
CH3_PY_BANK_AND_POLL
Instructions
Solution
Resources
financial_analy... U
poll_results.text U
pybank_code.txt U
pybank.py U
pypoll_code.txt U
pypoll_screens... U
pypoll.py U
broken_code_pa... U
experimental_co... U
financial_analysi... U
poll_results.text U
OUTLINE
TIMELINE
pybank.py U
pypoll.py U
Solution > pybank.py > ...
36 for lists in bank_list :
37
38 #total months
39 months += 1
40
41 #find overall total
42 total += int(bank_list[index][1])
43
44 #find total change
45 if (index > 0) :
46 change = int(bank_list[index][1]) - int(bank_list[index - 1][1])
47 tot_change += change
48
49 #find greatest increase
50 if (change > max_inc) :
51 max_inc = change
52 date_inc = bank_list[index][0]
53
54 #find greatest decrease
55 elif (change < max_dec) :
56 max_dec = change
57 date_dec = bank_list[index][0]
58
59 #set values for next iteration
60 index += 1
61 change = 0
62
63 avg_change = tot_change / (months - 1)
TERMINAL PROBLEMS OUTPUT DEBUG CONSOLE JUPYTER
Financial Analysis
Total Months: 86
Total: $22564198
Average Change: $-8311.11
Greatest Increase in Profits: 16-Aug ($1862002)
Greatest Increase in Profits: 14-Feb ($-1825558)
main*
Ln 19, Col 1


File Edit Selection View Go Run Terminal Help
pypoll.py - Ch3_Py_Bank_and_Poll - Visual Studio Code
EXPLORER
OPEN EDITORS
pybank.py... U
pypoll.py S... U
CH3_PY_BANK_AND_POLL
Instructions
Solution
Resources
financial_analy... U
poll_results.text U
pybank_code.txt U
pybank.py U
pypoll_code.txt U
pypoll.py U
broken_code_pa... U
experimental_co... U
financial_analysi... U
poll_results.text U
OUTLINE
TIMELINE
pybank.py U
pypoll.py U
Solution > pypoll.py > ...
9 poll_dict = {"Charles Casper Stockham" : 0,
10 "Diana DeGette" : 0,
11 "Raymon Anthony Doane" : 0}
12
13 # Open the CSV
14 with open(csvpath, encoding='utf') as csvfile:
15
16 # CSV reader specifies delimiter and variable that holds contents
17 csvreader = csv.reader(csvfile, delimiter=",")
18
19 # Read the header row first (skip this step if there is now header)
20 csv_header = next(csvreader)
21 #print(f"CSV Header: {csv_header}")
22
23 # Loop through csv to get vote total and votes per candidate
24 for row in csvreader:
25 votes += 1
26 candidate = row[2]
27 poll_dict[candidate] += 1
28
29 # print out election results
30 print()
31 print("Election Results")
32 print("-------------------------------------")
33 print(f"Total Votes: {votes}")
TERMINAL PROBLEMS OUTPUT DEBUG CONSOLE JUPYTER
Election Results
-------------------------------------
Total Votes: 369711
-------------------------------------
Charles Casper Stockham: 23.049% (85213)
Diana DeGette: 73.812% (272892)
Raymon Anthony Doane: 3.139% (11606)
-------------------------------------
Winner: Diana DeGette
(base) C:\Users\brenn\SMU_Bootcamp\GitHub_Challenges\Ch3_Py_Bank_and_Poll>
main* 0 0
Ln 60, Col 3 (2 selected)