PyBank scripts

import os

import csv

budget\_data = os.path.join("PyBank", "Resources", "budget\_data.csv")

with open(budget\_data, newline="") as csvfile:

    csvreader = csv.reader(csvfile, delimiter=",")

    csv\_header = next(csvfile)

    print(f"Header: {csv\_header}")

    Prof = []

    months = []

    for rows in csvreader:

        Prof.append(int(rows[1]))

        months.append(rows[0])

    revenue\_change = []

    for x in range(1, len(Prof)):

        revenue\_change.append((int(Prof[x]) - int(Prof[x-1])))

revenue\_average = sum(revenue\_change) / len(revenue\_change)

total\_months = len(months)

greatest\_increase = max(revenue\_change)

greatest\_decrease = min(revenue\_change)

TotalProfit = sum(Prof)

MonthGreatInc = months[revenue\_change.index(max(revenue\_change))+1]

MonthGreatDec = months[revenue\_change.index(min(revenue\_change))+1]

print("Financial Analysis")

print("-----------------------------------------")

print("Total months : ",total\_months)

print("Total : $",format(TotalProfit,','))

print("Averages change : $",format(revenue\_average,'.2f'))

print("Greatest Increase in Profits : ",MonthGreatInc," ($",format(greatest\_increase,','),")")

print("Greatest Decrease in Profits : ",MonthGreatDec," ($",format(greatest\_decrease,','),")")

file = open("PyBankResults.txt","w")

file.write("Financial Analysis" + "\n")

file.write("-------------------------------------" + "\n")

file.write("Total months : " + str(total\_months) + "\n")

file.write("Total : $" + str(TotalProfit) + "\n")

file.write("Average change : $" + str(format(revenue\_average,'.2f')) + "\n")

file.write("Greatest Increase in Profits : " + str(MonthGreatInc) + " ($" + str(greatest\_increase) + ")" + '\n')

file.write("Greatest Decrease in Profits : " + str(MonthGreatDec) + " ($" + str(greatest\_decrease) + ")" + "\n")

file.close()