# Modules

import os

import csv

# Set path for file

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

#create a list for month

month = 0

budget = 0

change = []

data = []

# Open the CSV

with open(csvpath, *newline*="") as csvfile:

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

next(csvreader)

data = *list*(csvreader)

for row in data:

#count the number of months

month = month + 1

#total profit and losses

budget = budget + *int*(row[1])

#create list of budget changes

for i in range(1,month):

#create list of changes

change.append(*int*(data[i][1]) - *int*(data[i-1][1]))

total\_change = sum(change)

avg\_change = total\_change/(month - 1)

greatest\_increase = max(change)

greatest\_decrease = min(change)

max\_index = change.index(greatest\_increase)

max\_value = data[max\_index + 1]

#check output

print("Financial Analysis")

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

print("Total Months: " + *str*(month))

print("Total: " + *str*(budget))

print("Average Change: $" + *str*(avg\_change))

print("Greatest Increase in Profits: " + *str*(max\_value[0]) + " ($" + *str*(greatest\_increase) + ")")