import csv

with open('C:/Users/Khurram/Desktop/GitHub Repos/budget\_data.csv', 'r') as file:

    reader = csv.reader(file)

    header = next(reader)

    total\_months = 0

    for months in reader:

        total\_months+= 1

    print(total\_months)

import csv

with open('C:/Users/Khurram/Desktop/GitHub Repos/budget\_data.csv', 'r') as csvfile:

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

    next(csvreader) # skip the header row

    total\_amount = 0

    for row in csvreader:

        profit\_loss = int(row[1])

        total\_amount += profit\_loss

    print(f"The total amount of Profit/Losses is {total\_amount}")

import csv

with open('C:/Users/Khurram/Desktop/GitHub Repos/budget\_data.csv', 'r') as csvfile:

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

    next(csvreader) # skip the header row

    total\_change = 0

    num\_changes = 0

    prev\_value = None

    for row in csvreader:

        value = int(row[1])

        if prev\_value is not None:

            change = value - prev\_value

            total\_change += change

            num\_changes += 1

        prev\_value = value

    average\_change = total\_change / num\_changes

    print(f"The average change in Profit/Losses is ${round(average\_change, 2)}")

import csv

with open('C:/Users/Khurram/Desktop/GitHub Repos/budget\_data.csv', 'r') as csvfile:

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

    next(csvreader) # skip the header row

    greatest\_increase = 0

    greatest\_increase\_date = ""

    prev\_value = None

    for row in csvreader:

        date = row[0]

        value = int(row[1])

        if prev\_value is not None:

            change = value - prev\_value

            if change > greatest\_increase:

                greatest\_increase = change

                greatest\_increase\_date = date

        prev\_value = value

    print(f"The greatest increase in profits was ${greatest\_increase} on {greatest\_increase\_date}")

import csv

with open('C:/Users/Khurram/Desktop/GitHub Repos/budget\_data.csv', 'r') as csvfile:

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

    next(csvreader) # skip the header row

    greatest\_decrease = 0

    greatest\_decrease\_date = ""

    prev\_value = None

    for row in csvreader:

        date = row[0]

        value = int(row[1])

        if prev\_value is not None:

            change = value - prev\_value

            if change < greatest\_decrease:

                greatest\_decrease = change

                greatest\_decrease\_date = date

        prev\_value = value

    print(f"The greatest decrease in profits was ${greatest\_decrease} on {greatest\_decrease\_date}")