import csv

import pandas as pd

def read\_data():

data = []

sales =[]

with open('sales.csv', 'r') as sales\_csv:

spreadsheet = csv.DictReader(sales\_csv)

for row in spreadsheet:

data.append(row)

sales.append(row['sales'])

print('Sales:', sales)

return data

return sale

def run():

data = read\_data()

sales = []

for row in data:

sale = int(row['sales'])

sales.append(sale)

total = sum(sales)

print('Total sales: {}'.format(total))

run()

def run():

data = read\_data()

lowest = []

for row in data:

sorted\_rows = sorted(data, key=lambda row: int(row['sales'])) # sort ascending (lowest first)

print(sorted\_rows)

lowest\_entry = sorted\_rows[0] # get first element by index 0 (lowest sales)

print(lowest\_entry)

lowest\_month = lowest\_entry['month']

lowest\_sales = lowest\_entry['sales']

print('Lowest month sales in {}: {}'.format(lowest\_month, lowest\_sales))

highest\_entry = sorted\_rows[11] # get first element by index 0 (lowest sales)

highest\_month = highest\_entry['month']

highest\_sales = highest\_entry['sales']

print('highest month sales in {}: {}'.format(highest\_month, highest\_sales))

run()

def pct\_month():

df = pd.read\_csv(sales.csv)

df.head()

change = df['sales'].pct\_change()

df ['change'] =change

print (df)