

## Review

Goal: use data files.

1. Open the "base\_code.py" file and run it to get a working base code. Pay attention to:

How to open a file.

How to go through each line of the file.

How to convert a string into a number.

- 2. Extend the base code to get the total sum of revenue.
- 3. Extend your code to get the percentage of revenue vs income.

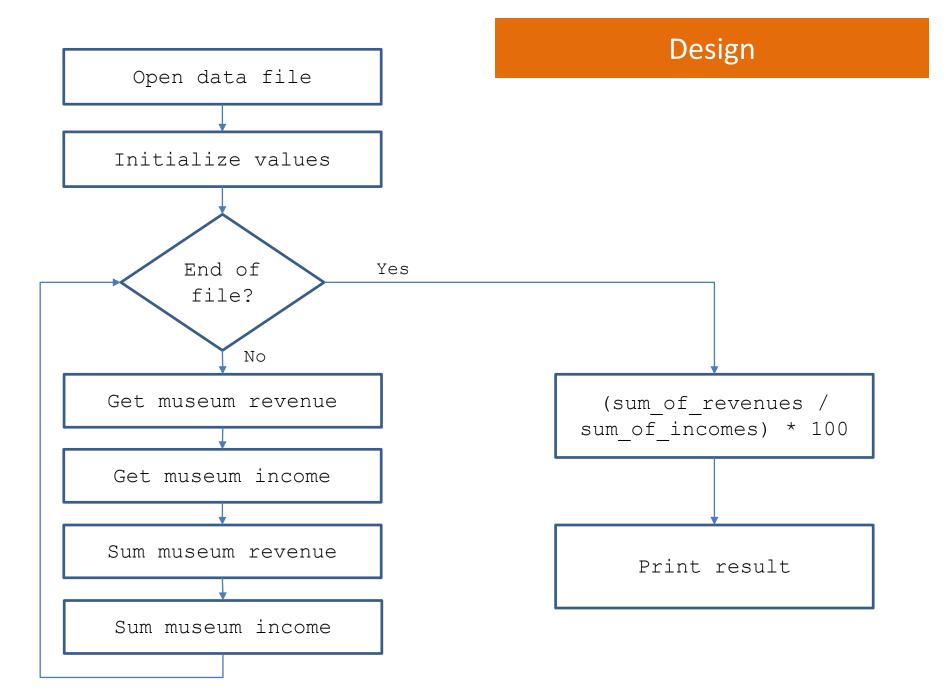
# How do I get the result?

#### How do I get the percentage?

(sum of all revenues / sum of all incomes) \* 100

#### How do I get the sum of all revenues and incomes?

Go through the data file and add up the values for each museum



## **Implementation**

```
input file = open('museums.csv', encoding='utf-8')
input reader = csv.DictReader(input file)
total revenue=0
total income=0
for line data in input reader:
    revenue=string to float(line data['Revenue'])
    income=string to float(line data['Income'])
    total revenue=total revenue+revenue
    total income=total income+income
revenue percentage=(total revenue/total income)*100
print(total revenue)
print(total income)
print(revenue percentage)
```

