

### Rainfall Data Example

- Input file: rainfall.txt → Annual rainfall data for cities in Iowa
  - Format of data file:
    - One city per line
    - City Name (with no spaces)
    - White space
    - Annual rainfall as a float

Akron 25.81

See `05-02-rainfall.py`

Rainfall example has the following functions:

**def rainFall\_1(inFileName):**

- Opens file
- Prints one line for each city
- Closes file
- Also prints total rainfall

**def rainFall\_2(inFileName):**

- Same as previous, but columns are lined up
- Looks at all cities to find longest - before processing
- Reads whole file into a list

**def maxRainFall(inFileName):**

- Prints city that had the most rainfall

**def rain\_inches\_to\_cm(inFileName, outFileName):**

- Creates new data file
- Rainfall in cm instead of inches
- Same file format

**def makeCSV(inFileName):**

- Creates new CSV file with same rainfall data (in inches)