



CSV

CSV-FILE

- »» We already know how to read & write to a file
 - »» `file = open("filename.txt", "r")`
- »» There is a specific filetype called **csv (comma-separated value)**
- »» These are like Excel-files with columns & rows, but in simple text-format
- »» You read them in similar manner, there is just “,” (or some other symbol) delimiting values from each other
- »» It is a very common format for data exchange and handy for interoperability between different systems

EXAMPLE.CSV

firstname,lastname,age,country

Darcy,Lillyweather,25,England

Janne,Parkkila,38,Finland

Juan,Garcia-Gomez,58,Argentina

Matsutei,Tsurunen,72,Japan

firstname	lastname	age	country
Darcy	Lillyweather	25	England
Janne	Parkkila	38	Finland
Juan	Garcia-Gomez	58	Argentina
Matsutei	Tsurunen	72	Japan



CSV.DICTREADER

- » Python `csv.DictReader` is a class that can read CSV files and return each row as a dictionary, where the keys are the column names and the values are the corresponding fields.
- » Often the first row of a CSV-file contains column names.
- » This makes it easy to access and manipulate the data by using the column names as indexes.
- » For example, suppose that we have a CSV-file which looks like this:
 - » `name,age,gender`
 - » `Alice,25,Female`
 - » `Bob,30,Male`
 - » `Charlie,28,Male`



CSV.DICTREADER **CLASS**

➤➤ See example: W10E04.py