Code.Hub

Lab : I/O and Streams

Duration:
The duration of the lab is 2 hours.

Exercise Details

The following source **file** contains the **statistics** of all countries for the confirmed cases, deaths and recoveries of **COVID-19** to date:

https://raw.githubusercontent.com/datasets/covid-19/master/data/countries-aggregated.csv

The dataset is in a **CSV** (Comma-Separated Values) format which can be easily read and understood by machines.

You will be given the sample code that can read and load each value directly as a string into your application.

Task
Using the **stream API** of **Java**, calculate the following statistics:

1. The country which has the **most confirmed cases**.
2. The **number of records** for Greece.
3. The **maximum number** of deaths per each country.
4. The **average number** of deaths around the world.

Note: The CSV entry for South Korea is written as the following: "Korea, South". This case may need special handling during the manipulation process.

Bonus Task
Download the CSV file to your computer and create code that can read and load the file, without having to access its online version.