File management : CSV files & data acquisition

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File management

Files store data, which can be text, numbers, binary encoded data.Such data can be read and modified; we can also write data to a file.

CSV file contains data structured in columns and rows. The columns are separated by a delimiter which can be a comma, space, semi-colon, etc.

```
1  x,y,z
2  236500.000,626500.000,-9999
3  237500.000,626500.000,8.55842
4  238500.000,626500.000,8.59286
5  239500.000,626500.000,8.59243
6  240500.000,626500.000,8.59198
7  241500.000,626500.000,8.59153
8  242500.000,626500.000,8.59105
```

Files can be stored in different locations: a local hard-disk, a USB drive, a disk on the network, etc. To use the data in these files, one has to load it from the local disk or internet drive programmatically.

Presentations & Exercises

Recorded Lecture

- File management

Presentations

- Slides: SL_JSC_07_Files

Exercises
- Files

Data

- points.txt
- snark.txt
- GPS.csv