

# Big data: architectures and data analytics

## Spark - Exercises

## Exercise #47

- Full station identification in real-time
- Input:
  - A textual file containing the list of stations of a bike sharing system
    - Each line of the file contains the information about one station  
id\tlongitude\tlatitude\tname
  - A streaming of readings about the status of the stations
    - Each reading has the format
      - StationId,# free slots,#used slots,timestamp

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## Exercise #47

- Output:
  - For each reading with a number of free slots equal to 0
    - print on the standard output timestamp and name of the station

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