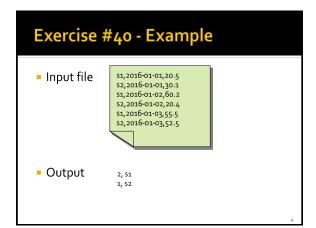




Exercise #40

- Order sensors by number of critical days
 - Input: a textual csv file containing the daily value of PM10 for a set of sensors
 - Each line of the files has the following format sensorId, date, PM10 value (μg/m³)\n
 - Output: an HDFS file containing the sensors ordered by the number of critical days
 - Each line of the output file contains the number of days with a PM10 values greater than 50 for a sensor s and the sensorId of sensors



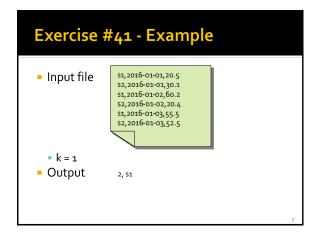
Exercise #41

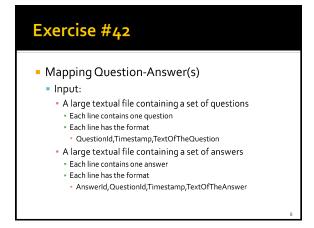
- Top-k most critical sensors
 - Input:
 - A textual csv file containing the daily value of PM10 for a set of sensors
 - Each line of the files has the following format sensorId, date, PM10 value (μg/m³)\n
 - The value of k
 - It is an argument of the application

Exercise #41

- Top-k most critical sensors
 - Output:
 - An HDFS file containing the top-k critical sensors
 - The "criticality" of a sensor is given by the number of days with a PM10 values greater than 50
 - Each line contains the number of critical days and the sensorId

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Output: A file containing one line for each question Each line contains a question and the list of answers to that question Questionld, TextOfTheQuestion, list of Answers

