

```

package it.polito.bigdata.hadoop.exercise17;

import java.io.IOException;

import org.apache.hadoop.io.*;
import org.apache.hadoop.mapreduce.Mapper;

/**
 * Mapper first data format
 */
class MapperType1BigData extends Mapper<
    LongWritable, // Input key type
    Text,          // Input value type
    Text,          // Output key type
    FloatWritable> { // Output value type

    protected void map(
        LongWritable key,    // Input key type
        Text value,         // Input value type
        Context context) throws IOException, InterruptedException {

        String record=value.toString();

        // Split each record by using the field separator
        // fields[0]= sensor id
        // fields[1]= date
        // fields[2]= hour:minute
        // fields[3]= temperature
        String[] fields = record.split(",");

        String date=fields[1];
        float temperature=Float.parseFloat(fields[3]);

        context.write(new Text(date), new FloatWritable(temperature));
    }

}

```