

```

package it.polito.bigdata.spark.exercise36;

import org.apache.spark.api.java.*;
import org.apache.spark.SparkConf;

public class SparkDriver {

    public static void main(String[] args) {

        String inputPath;

        inputPath=args[0];

        // Create a configuration object and set the name of the application
        SparkConf conf=new SparkConf().setAppName("Spark Exercise #36");

        // Create a Spark Context object
        JavaSparkContext sc = new JavaSparkContext(conf);

        // Read the content of the input file
        JavaRDD<String> readingsRDD = sc.textFile(inputPath);

        // Extract the PM10 values
        // It can be implemented by using the map transformation
        JavaRDD<Double> pm10ValuesRDD = readingsRDD.map(new
ExtractPM10Value());

        // Compute the sum of the PM10 values by using the reduce
        // method
        Double sum=pm10ValuesRDD.reduce(new SumValues());

        // Count the number of lines
        long numLines=pm10ValuesRDD.count();

        System.out.println("Average="+sum/numLines);

        // Close the Spark context
        sc.close();
    }
}

```