## Analysis 04 - Movies and TV show analysis based on ratings using custom counter

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| **public** **class** RatingsMapper **extends** Mapper<LongWritable, Text, Text, IntWritable>{  **public** **static** **final** String ***RATING*** = "Rating";    **public** **void** map(LongWritable key, Text value, Context context) **throws** IOException, InterruptedException {  String input = value.toString();  //Split data on comma and ignore comma within double quotes  String[] movieData = input.split(",(?=(?:[^\"]\*\"[^\"]\*\")\*[^\"]\*$)", -1);  **try** {  String ratings = movieData[8];  **if**(ratings.equals("rating"))  **return**;  context.getCounter(***RATING***, ratings).increment(1);  }  **catch**(Exception ex) {    }  }  } |
| **public** **class** Driver {  **public** **static** **void** main(String[] args) **throws** IOException, ClassNotFoundException, InterruptedException {    Configuration conf = **new** Configuration();  Job job = Job.*getInstance*(conf);    job.setJarByClass(Driver.**class**);    job.setMapperClass(RatingsMapper.**class**);    FileInputFormat.*addInputPath*(job, **new** Path(args[0]));  FileOutputFormat.*setOutputPath*(job, **new** Path(args[1]));    FileSystem fs = FileSystem.*get*(conf);  fs.delete(**new** Path(args[1]), **true**);    **int** code = job.waitForCompletion(**true**) ? 0 : 1;    **if**(code == 0) {  **for**(Counter counter : job.getCounters().getGroup(RatingsMapper.***RATING***)) {  System.***out***.println(counter.getDisplayName() + "\t"+ counter.getValue());  }  }    FileSystem.*get*(conf).delete(**new** Path(args[1]), **true**);    System.*exit*(code);  }  } |
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