## Analysis 03 – Count number of Total Movies and TV shows in dataset

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| **public** **class** TypeMapper **extends** Mapper<LongWritable, Text, Text, IntWritable>{  **public** **void** map(LongWritable key, Text value, Context context) **throws** IOException, InterruptedException {  String input = value.toString();    String[] movieData = input.split(",");  **try** {  String contentType = movieData[1];  **if**(contentType.equals("type"))  **return**;  IntWritable one = **new** IntWritable(1);  context.write(**new** Text(movieData[1]), one);  }  **catch**(Exception ex) {    }  }  } |
| **public** **class** TypeReducer **extends** Reducer<Text, IntWritable, Text, IntWritable> {  **protected** **void** reduce(Text key, Iterable<IntWritable> values, Context context)  **throws** IOException, InterruptedException {  **int** count = 0;  **for** (IntWritable val : values) {  count += val.get();  }  context.write(key, **new** IntWritable(count));  }  } |
| **public** **class** Driver {  **public** **static** **void** main(String[] args) **throws** IOException, ClassNotFoundException, InterruptedException {  Configuration conf = **new** Configuration();  FileSystem fs = FileSystem.*get*(conf);  **if** (fs.exists(**new** Path(args[1]))) {  fs.delete(**new** Path(args[1]), **true**);  }  Job job = Job.*getInstance*(conf);  job.setMapperClass(TypeMapper.**class**);  job.setReducerClass(TypeReducer.**class**);  job.setJarByClass(Driver.**class**);  TextInputFormat.*addInputPath*(job, **new** Path(args[0]));  TextOutputFormat.*setOutputPath*(job, **new** Path(args[1]));  job.setMapOutputKeyClass(Text.**class**);  job.setMapOutputValueClass(IntWritable.**class**);  job.setOutputKeyClass(Text.**class**);  job.setOutputValueClass(IntWritable.**class**);  System.*exit*(job.waitForCompletion(**true**) ? 0 : 1);  }  } |

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