Tv dataset.

**Objective:**

Write a Map Reduce program to calculate the total units sold for each Company.

**Mapper:**

**public** **class** Task1Mapper **extends** Mapper<LongWritable, Text, Text, IntWritable> {

**public** **void** map(LongWritable key, Text value, Context context)

**throws** IOException, InterruptedException {

String[] lineArray = value.toString().split("\\|");

**if**(!("NA".equalsIgnoreCase(lineArray[0])) &&!("NA".equalsIgnoreCase(lineArray[1])))

{

Text company = **new** Text(lineArray[0]);

context.write(company, **new** IntWritable(1));

}

}

}

**Reducer:**

**public** **class** Task1Reducer **extends** Reducer<Text, IntWritable, Text, IntWritable>

{

**public** **void** reduce(Text key, Iterable<IntWritable> values,Context context) **throws** IOException, InterruptedException

{

**int** unitSold=0;

**for** (IntWritable value : values) {

unitSold=unitSold+value.get();

}

context.write(key, **new** IntWritable(unitSold));

}

}

**Job:**

job.setJarByClass(Task1.**class**);

job.setMapOutputKeyClass(Text.**class**);

job.setMapOutputValueClass(IntWritable.**class**);

job.setOutputKeyClass(Text.**class**);

job.setOutputValueClass(IntWritable.**class**);

job.setMapperClass(Task1Mapper.**class**);

job.setReducerClass(Task1Reducer.**class**);

job.setCombinerClass(Task1Reducer.**class**);

job.setInputFormatClass(TextInputFormat.**class**);

job.setOutputFormatClass(TextOutputFormat.**class**);

**Run command:**

hadoop jar Session4\_A2.jar mapreduce.task1.Task1 /niki/television.txt /niki/outputA1

**Output:**

