**Assignment5.5**

**Driver class:**

**Driverclass.java**

import org.apache.hadoop.fs.Path;

import org.apache.hadoop.conf.\*;

import org.apache.hadoop.mapreduce.Job;

import org.apache.hadoop.mapreduce.lib.input.FileInputFormat;

import org.apache.hadoop.mapreduce.lib.input.TextInputFormat;

import org.apache.hadoop.mapreduce.lib.output.FileOutputFormat;

import org.apache.hadoop.mapreduce.lib.output.SequenceFileOutputFormat;

import org.apache.hadoop.mapreduce.lib.output.TextOutputFormat;

import org.apache.hadoop.io.IntWritable;

import org.apache.hadoop.io.Text;

public class Driverclass {

@SuppressWarnings("deprecation")

public static void main(String[] args) throws Exception {

Configuration conf = new Configuration();

Job job = new Job(conf, "Demo");

job.setJarByClass(Driverclass.class);

job.setMapOutputKeyClass(Text.class);

job.setMapOutputValueClass(IntWritable.class);

job.setOutputKeyClass(Text.class);

job.setOutputValueClass(IntWritable.class);

job.setMapperClass(Mapperclass.class);

job.setNumReduceTasks(0);

job.setInputFormatClass(TextInputFormat.class);

job.setOutputFormatClass(SequenceFileOutputFormat.class);

FileInputFormat.addInputPath(job, new Path(args[0]));

FileOutputFormat.setOutputPath(job,new Path(args[1]));

/\*

Path out=new Path(args[1]);

out.getFileSystem(conf).delete(out);

\*/

job.waitForCompletion(true);

}

}

**Mapper Class:**

Mapperclass.java

import java.io.IOException;

import org.apache.hadoop.io.IntWritable;

import org.apache.hadoop.io.LongWritable;

import org.apache.hadoop.io.Text;

import org.apache.hadoop.mapreduce.\*;

public class Mapperclass extends Mapper<LongWritable, Text, Text, IntWritable> {

Text outKey=new Text();

IntWritable one=new IntWritable(1);

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

throws IOException, InterruptedException {

String[] data=value.toString().split("\t");

outKey.set(data[0]);

context.write(outKey,one);

}

}

**Output:**

