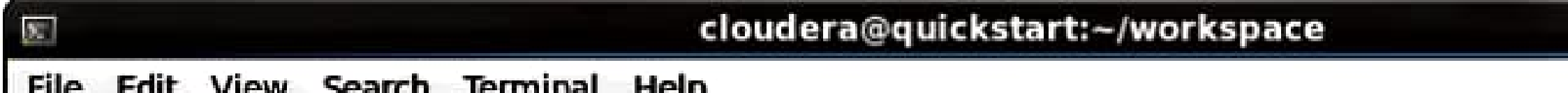
```
[cloudera@quikstart ~] $ hadoop jar EO.jar WordCountMapper word_count.txt /output_MRDEMOB


// THIS IS THE  CODE OF WORD COUNT PROGRAM BY MAYANK KUMAR

// exception handling
import java.io.IOException;

// box classes import
import org.apache.hadoop.io.DoubleWritable;
import org.apache.hadoop.io.IntWritable;
import org.apache.hadoop.io.LongWritable;
import org.apache.hadoop.io.Text;

// import mapper class
import org.apache.hadoop.mapreduce.Mapper;
import org.apache.hadoop.mapreduce.Mapper.Context;

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

        public void map(LongWritable key, Text value, Context context) throws IOException, InterruptedException {
                String inputstring = value.toString();
                for (String x : inputstring.split(" ")) {
                        if(x.equals("hadoop")){
                        context.write(new Text(x), new IntWritable(1));
                        }
                }
        }
}


//THE CODE ENDS HERE
```

```
[cloudera@quikstart ~] $ hadoop jar EO.jar WordCountMapper word_count.txt /output_MRDEMOB


// THIS IS THE  CODE OF reducer  WORD COUNT PROGRAM BY MAYANK KUMAR

import java.io.IOException;

import org.apache.hadoop.io.IntWritable;
import org.apache.hadoop.io.Text;
import org.apache.hadoop.mapreduce.Reducer;
import org.apache.hadoop.mapreduce.Reducer.Context;

public class WordcountReducer extends Reducer<Text, IntWritable, Text, IntWritable>{

        public void reduce(Text key, Iterable<IntWritable> values, Context context)
        throws IOException, InterruptedException {
                int y = 0;
                for(IntWritable x : values)
                {
                        y ++;

                }
                context.write(key, new IntWritable(y) );

        }

}


//THE CODE ENDS HERE
```

```
[cloudera@quikstart ~] $ hadoop jar EO.jar MyDriver word_count.txt /output_MRDEMOB


// THIS IS THE DRIVER CODE OF WORD COUNT PROGRAM BY MAYANK KUMAR

import java.io.IOException;

// file system
import org.apache.hadoop.fs.FileSystem;
import org.apache.hadoop.fs.Path;

// box classes import
import org.apache.hadoop.io.IntWritable;
import org.apache.hadoop.io.Text;

// mapreduce imports
import org.apache.hadoop.mapreduce.Job;
import org.apache.hadoop.mapreduce.lib.input.FileInputFormat;
import org.apache.hadoop.mapreduce.lib.output.FileOutputFormat;

public class WordDriver {
        public static void main(String[] args) throws IOException, ClassNotFoundException, InterruptedException {

                Job j = new Job();
                j.setJobName("My First Job");
                j.setJarByClass(WordDriver.class);
                j.setMapperClass(WordCountMapper.class);
                j.setReducerClass(WordCountReducer.class);
                j.setOutputKeyClass(Text.class);
                j.setOutputValueClass(IntWritable.class);

                FileInputFormat.addInputPath(j, new Path(args[0]));
                FileOutputFormat.setOutputPath(j, new Path(args[1]));

                System.exit(job.waitForCompletion(true) ? 0 : 1);
        }

}
//THE CODE ENDS HERE
```


cloudera@quickstart:~/workspace
File Edit View Search Terminal Help
[cloudera@quickstart workspace]$ hadoop fs -cat EOOutput/part-00000
hadoop : 6
[cloudera@quickstart workspace]$