

Mapper:

```
import java.io.IOException;
```

```
import java.util.Iterator;
```

```
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>{
```

```
    @Override
```

```
    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));
```

```
//        Text App = new Text("Apple");
```

```
//        Text Ban = new Text("Banana");
```

```
//        Text Gra = new Text("Grapes");
```

```
//        if (key==App)
```

```
//        {
```

```
//            context.write(App, new IntWritable(y));
```

```

//          }
//          else if (key==Ban)
//          {
//              context.write(Ban, new IntWritable(y));
//          }
//          else if (key==Gra)
//          {
//              context.write(Gra, new IntWritable(y));
//          }
//          context.write(key, new IntWritable(count));
//      }
}

reducer

//package WrdCnt;

import java.io.IOException;
import java.net.URI;
import java.net.URISyntaxException;

import org.apache.hadoop.conf.Configuration;
import org.apache.hadoop.fs.FileSystem;
import org.apache.hadoop.fs.Path;
import org.apache.hadoop.io.IntWritable;
import org.apache.hadoop.io.Text;
//import org.apache.hadoop.mapred.FileInputFormat;
//import org.apache.hadoop.mapred.FileInputFormat;
import org.apache.hadoop.mapreduce.Job;
import org.apache.hadoop.mapreduce.lib.input.FileInputFormat;
import org.apache.hadoop.mapreduce.lib.output.FileOutputFormat;

public class WordCountDriver {

```

```
public static void main(String[] args) throws IOException, ClassNotFoundException,
InterruptedException, URISyntaxException
```

```
{

    Configuration conf = new Configuration();

    //FileSystem fs = FileSystem.get(conf);

    //System.out.println(fs.getUri());

    Job j = new Job();// getConf(), "Max temperature");

    j.setJobName("My First Job");

    j.setJarByClass(WordCountDriver.class );

    j.setMapperClass(WordCountMapper.class );

    //j.setCombinerClass(WordCountReducer.class);

    //j.setPartitionerClass(WordCountPartitioner.class);

    j.setReducerClass(WordCountReducer.class);

    //j.setNumReduceTasks(0);

    //j.setCombinerClass(WordCountReducer.class);

    //j.setCombinerClass(WordCountReducer.class);

    //

    //j.setNumReduceTasks(0);


    j.setOutputKeyClass(Text.class);

    j.setOutputValueClass(IntWritable.class);


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

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


    URI uri = new URI(args[1].toString());


    FileSystem fs = FileSystem.get(uri, conf);


    boolean x = fs.delete(new Path(uri),true);
```

```
int y = j.waitForCompletion(true) ? 0 : 1;
```

```
}
```

```
}
```