

File Edit Source Refactor Navigate Search Project Run Window Help

Java - Even/src/MyDriver.java - Eclipse

```
import java.io.IOException;
import org.apache.hadoop.conf.Configuration;
import org.apache.hadoop.fs.Path;
import org.apache.hadoop.io.IntWritable;
import org.apache.hadoop.io.Text;
import org.apache.hadoop.mapreduce.Job;
import org.apache.hadoop.mapreduce.lib.input.FileInputFormat;
import org.apache.hadoop.mapreduce.lib.output.FileOutputFormat;

public class MyDriver
{
    public static void main(String[] args) throws IOException, ClassNotFoundException, InterruptedException
    {
        //Path input_file_loc = new Path("hdfs://localhost:9000/user/Vijay_Singh/evenodd.txt/"); //hardcoded input location
        //Path output_dir_loc = new Path("hdfs://localhost:9000/user/Vijay_Singh/output/"); //hardcoded output location

        Configuration conf = new Configuration();
        Job job = new Job(conf, "Even Sum");

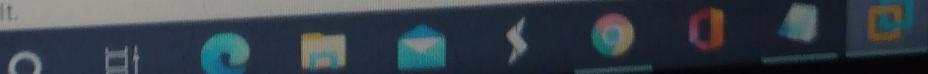
        //name of Driver class
        job.setJarByClass(MyDriver.class);
        //name of mapper class
        job.setMapperClass(MyMapper.class);
        // name of reducer class
        job.setReducerClass(MyReducer.class);
        job.setMapOutputKeyClass(Text.class);
        job.setMapOutputValueClass(IntWritable.class);

        //FileInputFormat.addInputPath(job, input_file_loc);
        //FileOutputFormat.setOutputPath(job, output_dir_loc);
        //output_dir_loc.getFileSystem(job.getConfiguration()).delete(output_dir_loc,true);
        FileInputFormat.addInputPath(job, new Path(args[0]));
        FileOutputFormat.setOutputPath(job, new Path(args[1]));

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

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Search



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Java - Hadoop/src/WordCountMapper.java

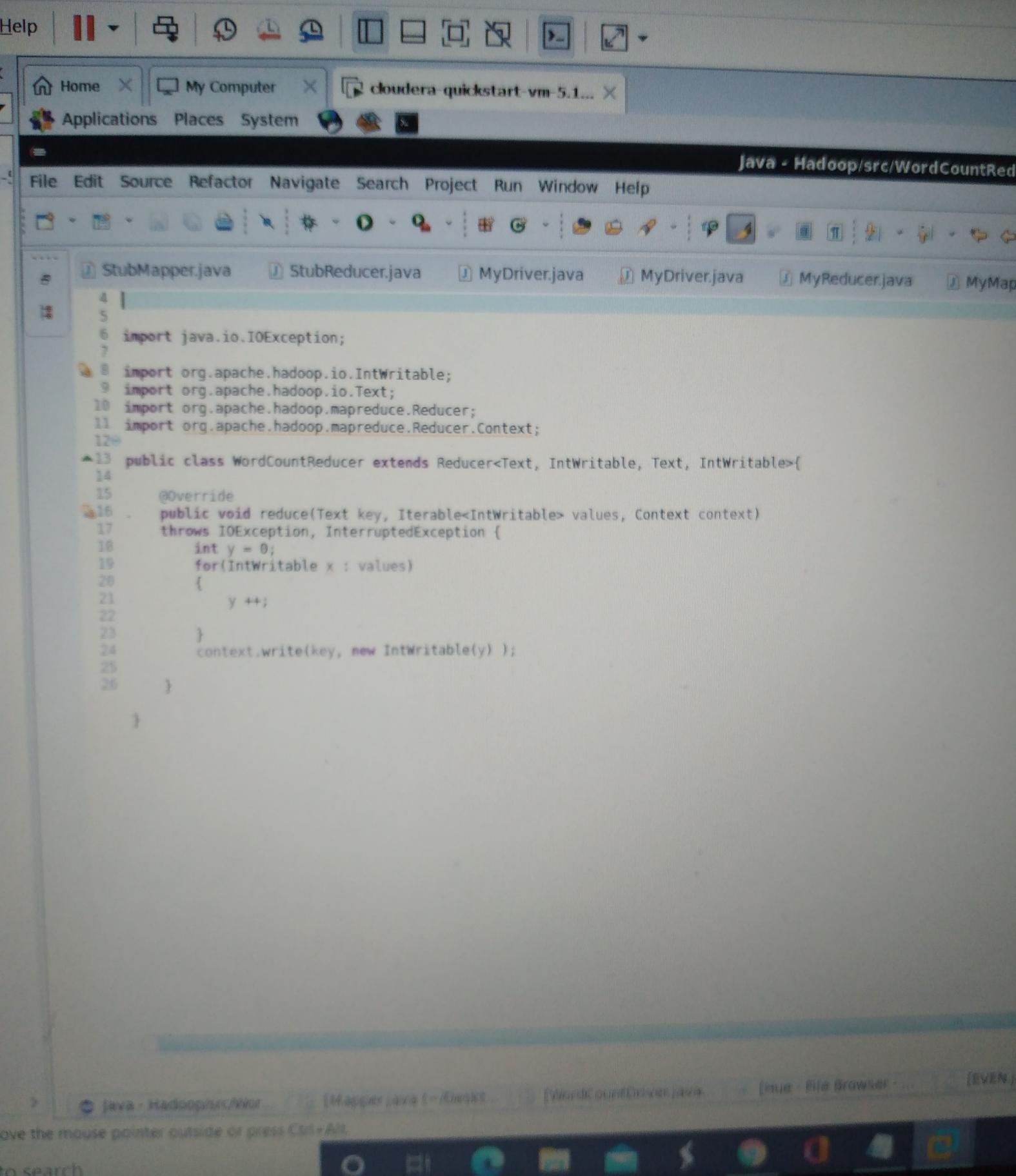
```
15
16
17 import java.io.IOException;
18 // box classes import
19 import org.apache.hadoop.io.DoubleWritable;
20 import org.apache.hadoop.io.IntWritable;
21 import org.apache.hadoop.io.LongWritable;
22 import org.apache.hadoop.io.Text;
23
24 // import mapper class
25 import org.apache.hadoop.mapreduce.Mapper;
26 import org.apache.hadoop.mapreduce.Mapper.Context;
27
28 public class WordCountMapper extends Mapper<LongWritable, Text, Text, IntWritable> {
29
    @Override
    protected 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));
            }
        }
    }
}
```

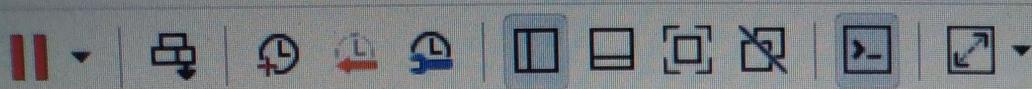
Java - Hadoop/src/Wo... [Mapper.java (~/Deskt... [WordCountDriver.java... [Hue - File Browser... [EVEN.jar]

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Hue - File Browser - part-r-00000

Hue - File Browser - ...

quickstart.cloudera:8888/filebrowser/view=/user/cloudera/DEEPOUT/part-r-00000#p1

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File Browser

ACTIONS

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View as binary

Hadoop 6
It 3
MapReduce 2
System 1
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INFO

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June 18, 2021 9:24 p.m.

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cloudera

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1.2 KB

Mode

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[Java - Hadoop/src/Wor...

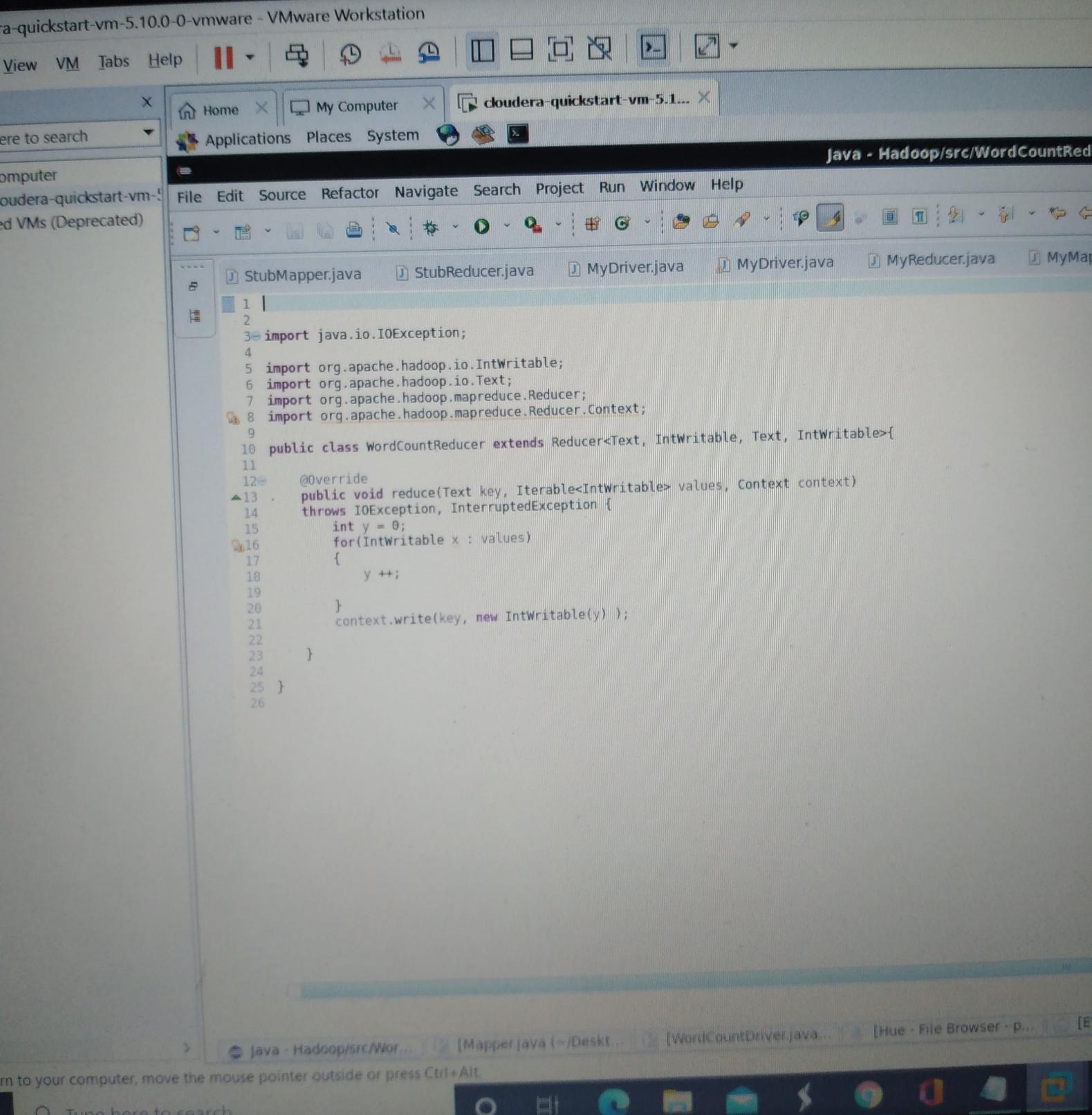
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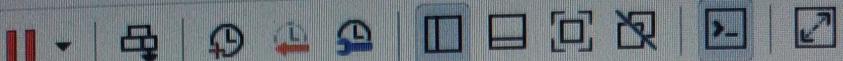
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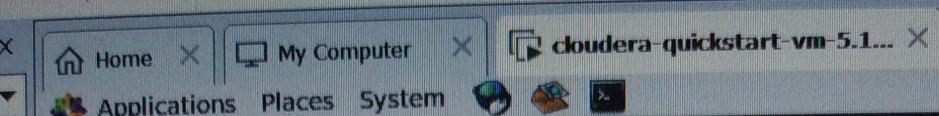




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cloudera-quickstart-vm-5.10.0-0-vmware
Shared VMs (Deprecated)

Java - Hadoop

```
File Edit Source Refactor Navigate Search Project Run Window Help

StubMapper.java StubReducer.java MyDriver.java MyDriver.java MyRedu

1 |
2
3 import java.io.IOException;
4
5 import org.apache.hadoop.io.IntWritable;
6 import org.apache.hadoop.io.Text;
7 import org.apache.hadoop.mapreduce.Reducer;
8 import org.apache.hadoop.mapreduce.Reducer.Context;
9
10 public class WordCountReducer extends Reducer<Text, IntWritable, Text, IntWritable>{
11
12     @Override
13     public void reduce(Text key, Iterable<IntWritable> values, Context context)
14         throws IOException, InterruptedException {
15         int y = 0;
16         for(IntWritable x : values)
17         {
18             y++;
19         }
20         context.write(key, new IntWritable(y));
21
22     }
23 }
24
25 }
26
```

Java - Hadoop/src/Wor... [Mapper.java (~/Deskt... [WordCountDriver.java... [Hue - File Br...

return to your computer, move the mouse pointer outside or press Ctrl+Alt.

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boudera-quickstart-vm-5.10.0-0-vmware - VMware Workstation

A screenshot of a Java development environment, likely Eclipse, showing the code for a WordCountReducer class. The code implements a Reducer that takes Text keys and Iterable<IntWritable> values, and emits IntWritable counts. The code includes imports for java.io.IOException, org.apache.hadoop.io.IntWritable, org.apache.hadoop.io.Text, org.apache.hadoop.mapreduce.Reducer, and org.apache.hadoop.mapreduce.Reducer.Context. It overrides the reduce method to increment a counter for each value and write the result to context. The code is annotated with line numbers from 1 to 26.

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File Browser

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EVEN 559536

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