

```

import java.io.IOException;
import java.util.Iterator;

import org.apache.hadoop.fs.Path;
import org.apache.hadoop.io.LongWritable;
import org.apache.hadoop.io.Text;

import org.apache.hadoop.mapreduce.lib.input.FileInputFormat;
import org.apache.hadoop.mapreduce.lib.output.FileOutputFormat;
import org.apache.hadoop.mapreduce.lib.output.TextOutputFormat;
import org.apache.hadoop.mapreduce.lib.input.TextInputFormat;
import org.apache.hadoop.mapreduce.Job;
import org.apache.hadoop.mapreduce.Mapper;
import org.apache.hadoop.mapreduce.Reducer;
import org.apache.hadoop.conf.Configuration;

public class MyMaxMin {

    //Mapper

    /**
     *MaxTemperatureMapper class is static and extends Mapper abstract class
     *having four hadoop generics type LongWritable, Text, Text, Text.
     */

    public static class MaxTemperatureMapper extends
        Mapper<LongWritable, Text, Text, Text> {

        /**
         * @method map

```

File: /Temperaturedata/Temperature.txt

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23907	20150101	2.423	-98.08	30.62	2.2	-0.6	0.8	0.9	6.2
97.2	0.369	0.308	-99.000	-99.000	-99.000	7.0	8.1	-9999.0	-9999.0
23907	20150102	2.423	-98.08	30.62	3.5	1.3	2.4	2.2	9.0
99.8	0.391	0.327	-99.000	-99.000	-99.000	7.1	7.9	-9999.0	-9999.0
23907	20150103	2.423	-98.08	30.62	15.9	2.3	9.1	7.5	2.9
73.7	0.450	0.397	-99.000	-99.000	-99.000	7.6	7.9	-9999.0	-9999.0
23907	20150104	2.423	-98.08	30.62	9.2	-1.3	3.9	4.2	0.0
61.7	0.414	0.352	-99.000	-99.000	-99.000	7.3	7.9	-9999.0	-9999.0
23907	20150105	2.423	-98.08	30.62	10.9	-3.7	3.6	2.6	0.0
57.4	0.399	0.340	-99.000	-99.000	-99.000	6.3	7.0	-9999.0	-9999.0
23907	20150106	2.423	-98.08	30.62	20.2	2.9	11.6	10.9	0.0
49.3	0.395	0.335	-99.000	-99.000	-99.000	8.0	8.0	-9999.0	-9999.0
23907	20150107	2.423	-98.08	30.62	10.9	-3.4	3.8	4.5	0.0
55.7	0.387	0.328	-99.000	-99.000	-99.000	7.6	8.3	-9999.0	-9999.0
23907	20150108	2.423	-98.08	30.62	0.6	-7.9	-3.6	-3.3	0.0
48.1	0.372	0.316	-99.000	-99.000	-99.000	4.7	6.1	-9999.0	-9999.0
23907	20150109	2.423	-98.08	30.62	2.0	0.1	1.0	0.8	0.0
64.4	0.368	0.312	-99.000	-99.000	-99.000	5.4	6.2	-9999.0	-9999.0
23907	20150110	2.423	-98.08	30.62	0.5	-2.0	-0.8	-0.6	3.3
85.8	0.373	0.314	-99.000	-99.000	-99.000	5.1	6.0	-9999.0	-9999.0

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Name	Type	Size	Replication	Block Size	Modification Time	Permission	Owner	Group
Temperature.txt	file	40.90 KB	1	128 MB	2022-10-08 15:53	rw-r--r--	edureka	supergroup

Name	Type	Size	Replication	Block Size	Modification Time	Permission	Owner	Group
result	dir				2022-10-08 17:58	rwxr-xr-x	edureka	supergroup

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Name	Type	Size	Replication	Block Size	Modification Time	Permission	Owner	Group
_SUCCESS	file	0 B	1	128 MB	2022-10-08 17:58	rw-r--r--	edureka	supergroup
part-r-00000	file	1.56 KB	1	128 MB	2022-10-08 17:58	rw-r--r--	edureka	supergroup

File: [/Temperatureresult/result/part-r-00000](#)

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Cold Day 20150101	-0.6
Cold Day 20150102	1.3
Cold Day 20150103	2.3
Cold Day 20150104	-1.3
Cold Day 20150105	-3.7
Cold Day 20150106	2.9
Cold Day 20150107	-3.4
Cold Day 20150108	-7.9
Cold Day 20150109	0.1
Cold Day 20150110	-2.0
Cold Day 20150111	0.0
Cold Day 20150112	1.4
Cold Day 20150113	-0.7
Cold Day 20150114	0.9
Cold Day 20150115	1.2
Cold Day 20150116	3.5
Cold Day 20150117	5.0
Cold Day 20150118	7.6