

ASSIGNMENT

```
C:\hadoop_new\share\hadoop\mapreduce>hdfs dfs -mkdir /electricity
```

```
C:\hadoop_new\share\hadoop\mapreduce>hdfs dfs -put E:\Desktop\annual_usage.txt
\electricity
```

```
C:\hadoop_new\share\hadoop\mapreduce>hdfs dfs -cat \electricity\annual_usage.txt
```

```
1979 23 23 2 43 24 25 26 26 26 26 25 26 25
1980 26 27 28 28 28 30 31 31 31 30 30 30 29
1981 31 32 32 32 33 34 35 36 36 34 34 34 34
1984 39 38 39 39 39 41 42 43 40 39 38 38 40
1985 38 39 39 39 39 41 41 41 00 40 39 39 45
```

```
C:\hadoop_new\share\hadoop\mapreduce>hadoop jar E:\Desktop\electricity.jar
\electricity \electricityOutput
```

```
Exception in thread "main" java.lang.ClassNotFoundException: \electricity
    at java.net.URLClassLoader.findClass(URLClassLoader.java:382)
    at java.lang.ClassLoader.loadClass(ClassLoader.java:424)
    at java.lang.ClassLoader.loadClass(ClassLoader.java:357)
    at java.lang.Class.forName0(Native Method)
    at java.lang.Class.forName(Class.java:348)
    at org.apache.hadoop.util.RunJar.run(RunJar.java:301)
    at org.apache.hadoop.util.RunJar.main(RunJar.java:222)
```

```
C:\hadoop_new\share\hadoop\mapreduce>hadoop jar E:\Desktop\electricity.jar
electricity.electricity \electricity \electricityOutput
```

```
2021-04-30 20:28:42,462 INFO client.RMProxy: Connecting to ResourceManager at
/0.0.0.0:8032
```

```
2021-04-30 20:28:54,178 WARN mapreduce.JobResourceUploader: Hadoop
command-line option parsing not performed. Implement the Tool interface and execute
your application with ToolRunner to remedy this.
```

```
2021-04-30 20:28:54,328 INFO mapreduce.JobResourceUploader: Disabling Erasure
Coding for path: /tmp/hadoop-yarn/staging/Admin/.staging/job_1619794439073_0001
```

```
2021-04-30 20:28:56,116 INFO input.FileInputFormat: Total input files to process : 1
```

```
2021-04-30 20:28:56,829 INFO mapreduce.JobSubmitter: number of splits:1
```

```
2021-04-30 20:28:57,203 INFO Configuration.deprecation:
```

```
yarn.resourcemanager.system-metrics-publisher.enabled is deprecated. Instead, use
yarn.system-metrics-publisher.enabled
```

2021-04-30 20:28:58,720 INFO mapreduce.JobSubmitter: Submitting tokens for job:
job_1619794439073_0001

2021-04-30 20:28:58,723 INFO mapreduce.JobSubmitter: Executing with tokens: []

2021-04-30 20:28:59,426 INFO conf.Configuration: resource-types.xml not found

2021-04-30 20:28:59,429 INFO resource.ResourceUtils: Unable to find
'resource-types.xml'.

2021-04-30 20:29:01,429 INFO impl.YarnClientImpl: Submitted application
application_1619794439073_0001

2021-04-30 20:29:01,907 INFO mapreduce.Job: The url to track the job:
http://DESKTOP-CK14PFH:8088/proxy/application_1619794439073_0001/

2021-04-30 20:29:01,911 INFO mapreduce.Job: Running job:
job_1619794439073_0001

2021-04-30 20:30:09,506 INFO mapreduce.Job: Job job_1619794439073_0001
running in uber mode : false

2021-04-30 20:30:09,527 INFO mapreduce.Job: map 0% reduce 0%

2021-04-30 20:30:48,325 INFO mapreduce.Job: map 100% reduce 0%

2021-04-30 20:31:11,689 INFO mapreduce.Job: map 100% reduce 100%

2021-04-30 20:31:19,866 INFO mapreduce.Job: Job job_1619794439073_0001
completed successfully

2021-04-30 20:31:20,200 INFO mapreduce.Job: Counters: 53

File System Counters

FILE: Number of bytes read=39

FILE: Number of bytes written=427281

FILE: Number of read operations=0

FILE: Number of large read operations=0

FILE: Number of write operations=0

HDFS: Number of bytes read=463

HDFS: Number of bytes written=24

HDFS: Number of read operations=8

HDFS: Number of large read operations=0

HDFS: Number of write operations=2

Job Counters

Launched map tasks=1

Launched reduce tasks=1

Data-local map tasks=1

Total time spent by all maps in occupied slots (ms)=35891

Total time spent by all reduces in occupied slots (ms)=19960

Total time spent by all map tasks (ms)=35891

Total time spent by all reduce tasks (ms)=19960

Total vcore-milliseconds taken by all map tasks=35891

Total vcore-milliseconds taken by all reduce tasks=19960
Total megabyte-milliseconds taken by all map tasks=36752384
Total megabyte-milliseconds taken by all reduce tasks=20439040

Map-Reduce Framework

- Map input records=5
- Map output records=5
- Map output bytes=45
- Map output materialized bytes=39
- Input split bytes=115
- Combine input records=5
- Combine output records=3
- Reduce input groups=3
- Reduce shuffle bytes=39
- Reduce input records=3
- Reduce output records=3
- Spilled Records=6
- Shuffled Maps =1
- Failed Shuffles=0
- Merged Map outputs=1
- GC time elapsed (ms)=220
- CPU time spent (ms)=4464
- Physical memory (bytes) snapshot=483811328
- Virtual memory (bytes) snapshot=593391616
- Total committed heap usage (bytes)=221773824
- Peak Map Physical memory (bytes)=279703552
- Peak Map Virtual memory (bytes)=323305472
- Peak Reduce Physical memory (bytes)=204107776
- Peak Reduce Virtual memory (bytes)=270086144

Shuffle Errors

- BAD_ID=0
- CONNECTION=0
- IO_ERROR=0
- WRONG_LENGTH=0
- WRONG_MAP=0
- WRONG_REDUCE=0

File Input Format Counters

- Bytes Read=348

File Output Format Counters

- Bytes Written=24

```
C:\hadoop_new\share\hadoop\mapreduce>hdfs dfs -ls \electricityOutput
```

```
Found 2 items
```

```
-rw-r--r--  1 Admin supergroup      0 2021-04-30 20:31 /electricityOutput/_SUCCESS
-rw-r--r--  1 Admin supergroup    24 2021-04-30 20:31 /electricityOutput/part-r-00000
```

```
C:\hadoop_new\share\hadoop\mapreduce>hdfs dfs -cat \electricityOutput\part-r-00000
```

```
1979  25
```

```
1980  29
```

```
1981  34
```