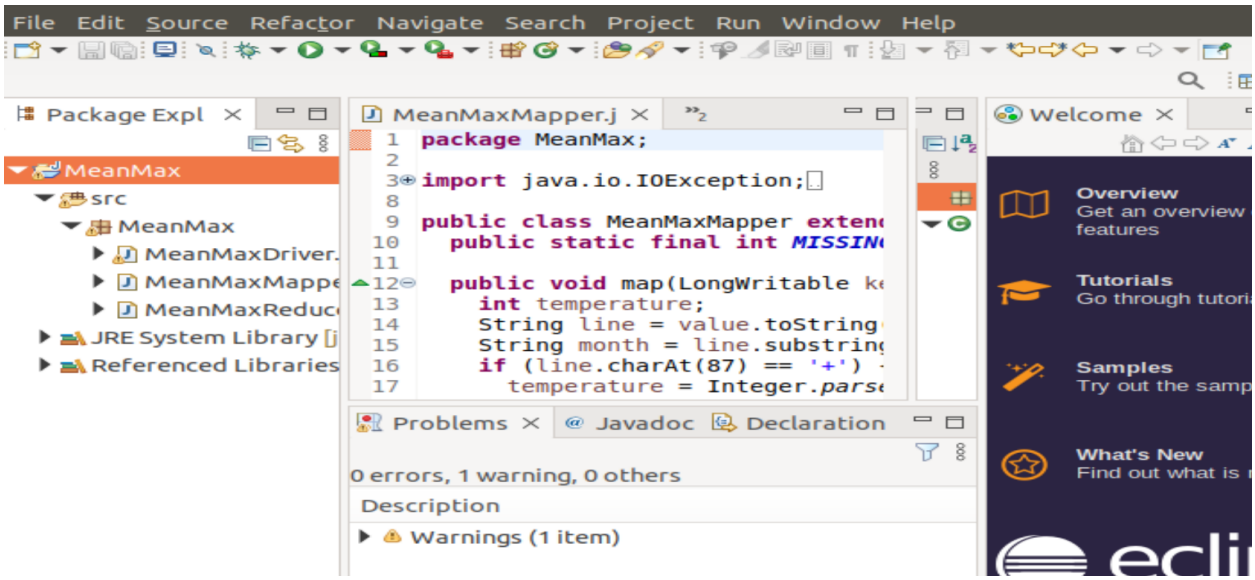
WEEK 7 BDA LAB
USN:1BM19CS074
NAME: KIZHAKEL SHARAT PRASAD

MapReduce program to find the mean max temperature for every month




```
hdoop@sharat-VirtualBox:~$ hadoop jar MeanMaxweather2.jar MeanMax.MeanMaxDriver
 /inputt/1901 /inputt/outputmeanmax
2022-06-28 02:35:15,863 WARN util.NativeCodeLoader: Unable to load native-hadoo
p library for your platform... using builtin-java classes where applicable
2022-06-28 02:35:16,403 INFO client.RMProxy: Connecting to ResourceManager at /
127.0.0.1:8032
2022-06-28 02:35:16,741 WARN mapreduce.JobResourceUploader: Hadoop command-line
 option parsing not performed. Implement the Tool interface and execute your ap
plication with ToolRunner to remedy this.
2022-06-28 02:35:16,774 INFO mapreduce.JobResourceUploader: Disabling Erasure C
oding for path: /tmp/hadoop-yarn/staging/hdoop/.staging/job_1656363425892_0001
2022-06-28 02:35:17,464 INFO input.FileInputFormat: Total input files to proces
s : 1
2022-06-28 02:35:17,959 INFO mapreduce.JobSubmitter: number of splits:1
2022-06-28 02:35:18,176 INFO mapreduce.JobSubmitter: Submitting tokens for job:
 job_1656363425892_0001
2022-06-28 02:35:18,177 INFO mapreduce.JobSubmitter: Executing with tokens: []
2022-06-28 02:35:18,417 INFO conf.Configuration: resource-types.xml not found
2022-06-28 02:35:18,418 INFO resource.ResourceUtils: Unable to find 'resource-t
ypes.xml'.
2022-06-28 02:35:18,932 INFO impl.YarnClientImpl: Submitted application applica
tion 1656363425892 0001
```

```
                Reduce input groups=12
                Reduce shuffle bytes=59082
                Reduce input records=6564
                Reduce output records=12
                Spilled Records=13128
                Shuffled Maps =1
                Failed Shuffles=0
                Merged Map outputs=1
                GC time elapsed (ms)=527
                CPU time spent (ms)=2180
                Physical memory (bytes) snapshot=648343552
                Virtual memory (bytes) snapshot=5166202880
                Total committed heap usage (bytes)=667942912
                Peak Map Physical memory (bytes)=453812224
                Peak Map Virtual memory (bytes)=2579943424
                Peak Reduce Physical memory (bytes)=194531328
                Peak Reduce Virtual memory (bytes)=2586259456
        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=888190
        File Output Format Counters
                Bytes Written=74
```

```
hdoop@sharat-VirtualBox:~$ hdfs dfs -ls /inputt/outputmeanmax
2022-06-28 02:36:40,638 WARN util.NativeCodeLoader: Unable to loa
p library for your platform... using builtin-java classes where a
Found 2 items
-rw-r--r--   1 hdoop supergroup          0 2022-06-28 02:35 /inpu
ax/_SUCCESS
-rw-r--r--   1 hdoop supergroup         74 2022-06-28 02:35 /inpu
ax/part-r-00000
hdoop@sharat-VirtualBox:~$ hdfs dfs -cat /inputt/outputmeanmax/pa
2022-06-28 02:36:57,109 WARN util.NativeCodeLoader: Unable to loa
p library for your platform... using builtin-java classes where a
01      4
02      0
03      7
04      44
05      100
06      168
07      219
08      198
09      141
10      100
11      19
12      3
```