

## BDA\_LAB-8

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### Output

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C:\hadoop-3.0.0\sbin>hadoop jar C:\hadoop-3.0.0\share\hadoop\mapreduce\AverageProgram.jar /Average_Program /output_dir_avg_prg
2020-12-15 16:17:44,713 INFO client.RMPProxy: Connecting to ResourceManager at /0.0.0.0:8032
2020-12-15 16:17:47,293 WARN mapreduce.JobResourceUploader: Hadoop command-line option parsing not performed. Implement the Tool interface and execute your application
with ToolRunner to remedy this.
2020-12-15 16:17:47,422 INFO mapreduce.JobResourceUploader: Disabling Erasure Coding for path: /tmp/hadoop-yarn/staging/VINOD/.staging/job_1608114850843_0001
2020-12-15 16:17:48,349 INFO input.FileInputFormat: Total input files to process : 1
2020-12-15 16:17:49,000 INFO mapreduce.JobSubmitter: number of splits:1
2020-12-15 16:17:49,168 INFO Configuration.deprecation: yarn.resourcemanager.system-metrics-publisher.enabled is deprecated. Instead, use yarn.system-metrics-publisher.
enabled
2020-12-15 16:17:49,781 INFO mapreduce.JobSubmitter: Submitting tokens for job: job_1608114850843_0001
2020-12-15 16:17:49,785 INFO mapreduce.JobSubmitter: Executing with tokens: []
2020-12-15 16:17:50,931 INFO conf.Configuration: resource-types.xml not found
2020-12-15 16:17:50,948 INFO resource.ResourceUtils: Unable to find 'resource-types.xml'.
2020-12-15 16:17:52,301 INFO impl.YarnClientImpl: Submitted application application_1608114850843_0001
2020-12-15 16:17:52,475 INFO mapreduce.Job: The url to track the job: http://DESKTOP-WWVEQ5P:8088/proxy/application_1608114850843_0001/
2020-12-15 16:17:52,478 INFO mapreduce.Job: Running job: job_1608114850843_0001
2020-12-15 16:19:04,567 INFO mapreduce.Job: Job job_1608114850843_0001 running in uber mode : false
2020-12-15 16:19:04,719 INFO mapreduce.Job: map 0% reduce 0%
2020-12-15 16:19:34,962 INFO mapreduce.Job: map 100% reduce 0%
2020-12-15 16:20:05,694 INFO mapreduce.Job: map 100% reduce 100%
2020-12-15 16:20:24,870 INFO mapreduce.Job: Job job_1608114850843_0001 completed successfully
2020-12-15 16:20:25,251 INFO mapreduce.Job: Counters: 53
  File System Counters
    FILE: Number of bytes read=72210
    FILE: Number of bytes written=559331
    FILE: Number of read operations=0
    FILE: Number of large read operations=0
    FILE: Number of write operations=0
    HDFS: Number of bytes read=888296
    HDFS: Number of bytes written=8
    HDFS: Number of read operations=0
    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)=23599
    Total time spent by all reduces in occupied slots (ms)=26783
    Total time spent by all map tasks (ms)=23599
```

```
Total megabyte-milliseconds taken by all reduce tasks=27425792
Map-Reduce Framework
  Map input records=6565
  Map output records=6564
  Map output bytes=59076
  Map output materialized bytes=72210
  Input split bytes=106
  Combine input records=0
  Combine output records=0
  Reduce input groups=1
  Reduce shuffle bytes=72210
  Reduce input records=6564
  Reduce output records=1
  Spilled Records=13128
  Shuffled Maps =1
  Failed Shuffles=0
  Merged Map outputs=1
  GC time elapsed (ms)=349
  CPU time spent (ms)=4651
  Physical memory (bytes) snapshot=477446144
  Virtual memory (bytes) snapshot=655536128
  Total committed heap usage (bytes)=358088704
  Peak Map Physical memory (bytes)=282361856
  Peak Map Virtual memory (bytes)=376946688
  Peak Reduce Physical memory (bytes)=195084288
  Peak Reduce Virtual memory (bytes)=278589440
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=8
```

```
C:\hadoop-3.0.0\sbin>hadoop dfs -cat /output_dir_avg_prg/*
DEPRECATED: Use of this script to execute hdfs command is deprecated.
Instead use the hdfs command for it.
1901    46
```