

ASSIGNMENT 13

```

Windows PowerShell
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PS C:\Users\SKY_NET\Desktop\MAIN\GROUP_B\LOG> hdfs dfs -mkdir input1517
PS C:\Users\SKY_NET\Desktop\MAIN\GROUP_B\LOG> hdfs dfs -copyFromLocal logi.csv input1517
PS C:\Users\SKY_NET\Desktop\MAIN\GROUP_B\LOG> hadoop jar analogs.jar input1517 output1517
2023-05-10 12:26:00,835 INFO client.DefaultNoHARMAFailoverProxyProvider: Connecting to ResourceManager at localhost/127.0.0.1:8032
2023-05-10 12:26:01,049 INFO client.DefaultNoHARMAFailoverProxyProvider: Connecting to ResourceManager at localhost/127.0.0.1:8032
2023-05-10 12:26:01,646 WARN mapreduce.JobResourceUploader: Hadoop command-line option parsing not performed. Implement the Tool interface and execute your application with ToolRunner to remedy this.
2023-05-10 12:26:01,667 INFO mapreduce.JobResourceUploader: Disabling Erasure Coding for path: /tmp/hadoop-yarn/staging/SKY_NET/staging/job_1683698547281_0003
2023-05-10 12:26:01,971 INFO mapred.FileInputFormat: Total input files to process : 1
2023-05-10 12:26:02,044 INFO mapreduce.JobSubmitter: number of splits:2
2023-05-10 12:26:02,196 INFO mapreduce.JobSubmitter: Submitting tokens for job: job_1683698547281_0003
2023-05-10 12:26:02,196 INFO mapreduce.JobSubmitter: Executing with tokens: []
2023-05-10 12:26:02,402 INFO conf.Configuration: resource-types.xml not found
2023-05-10 12:26:02,403 INFO resource.ResourceUtils: Unable to find 'resource-types.xml'.
2023-05-10 12:26:02,804 INFO impl.YarnClientImpl: Submitted application application_1683698547281_0003
2023-05-10 12:26:02,871 INFO mapreduce.Job: The url to track the job: http://SKY-NET:8088/proxy/application_1683698547281_0003/
2023-05-10 12:26:02,873 INFO mapreduce.Job: Running job: job_1683698547281_0003
2023-05-10 12:26:12,038 INFO mapreduce.Job: Job job_1683698547281_0003 running in uber mode : false
2023-05-10 12:26:12,047 INFO mapreduce.Job: map 0% reduce 0%
2023-05-10 12:26:20,253 INFO mapreduce.Job: map 100% reduce 0%
2023-05-10 12:26:26,284 INFO mapreduce.Job: map 100% reduce 100%
2023-05-10 12:26:27,307 INFO mapreduce.Job: Job job_1683698547281_0003 completed successfully
2023-05-10 12:26:27,509 INFO mapreduce.Job: Counters: 50

File System Counters
  FILE: Number of bytes read=28088
  FILE: Number of bytes written=879084
  FILE: Number of read operations=0
  FILE: Number of large read operations=0
  FILE: Number of write operations=0
  HDFS: Number of bytes read=151275
  HDFS: Number of bytes written=4065
  HDFS: Number of read operations=11
  HDFS: Number of large read operations=0
  HDFS: Number of write operations=2
  HDFS: Number of bytes read erasure-coded=0

Job Counters
  Launched map tasks=2
  Launched reduce tasks=1
  Data-local map tasks=2
  Total time spent by all maps in occupied slots (ms)=12061
  Total time spent by all reduces in occupied slots (ms)=3807
  Total time spent by all map tasks (ms)=12061
  Total time spent by all reduce tasks (ms)=3807
  Total vcore-milliseconds taken by all map tasks=12061
  Total vcore-milliseconds taken by all reduce tasks=3807
  Total megabyte-milliseconds taken by all map tasks=12350464
  Total megabyte-milliseconds taken by all reduce tasks=3898368

Map-Reduce Framework
  Map input records=1295
  Map output records=1295
  Map output bytes=25492
  Map output materialized bytes=28094
  Input split bytes=210
  Combine input records=0
  Combine output records=0
  Reduce input groups=227
  Reduce shuffle bytes=28094
  Reduce input records=1295
  Reduce output records=227
  Spilled Records=2590
  Shuffled Maps =2
  Failed Shuffles=0
  Merged Map outputs=2
  GC time elapsed (ms)=138
  CPU time spent (ms)=0
  Physical memory (bytes) snapshot=0
  Virtual memory (bytes) snapshot=0
  Total committed heap usage (bytes)=612368384

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=151065

File Output Format Counters
  Bytes Written=4065

PS C:\Users\SKY_NET\Desktop\MAIN\GROUP_B\LOG> hadoop fs -cat output1517/*
"10.1.1.236 7
"10.1.181.142 14
"10.1.232.31 5
"10.10.55.142 14
"10.102.101.66 1
"10.103.184.104 1
"10.103.190.81 53
"10.103.63.29 1
"10.104.73.51 1
"10.105.160.183 1
"10.108.91.151 1
"10.109.21.76 1
"10.11.131.40 1
"10.111.71.20 8

```

Permission	Owner	Group	Size	Last Modified	Replication	Block Size	Name
drwxr-xr-x	SKY_NET	supergroup	0 B	May 09 11:57	0	0 B	INPUT1
drwxr-xr-x	SKY_NET	supergroup	0 B	May 09 11:58	0	0 B	OUTPUT1
drwxr-xr-x	SKY_NET	supergroup	0 B	May 10 11:38	0	0 B	input1515
drwxr-xr-x	SKY_NET	supergroup	0 B	May 10 12:06	0	0 B	input1516
drwxr-xr-x	SKY_NET	supergroup	0 B	May 10 12:25	0	0 B	input1517
drwxr-xr-x	SKY_NET	supergroup	0 B	May 10 11:39	0	0 B	output1515
drwxr-xr-x	SKY_NET	supergroup	0 B	May 10 12:09	0	0 B	output1516
drwxr-xr-x	SKY_NET	supergroup	0 B	May 10 12:26	0	0 B	output1517
-rw-r--r--	SKY_NET	supergroup	11.77 KB	May 10 11:36	1	128 MB	weather_data.txt

Browse Directory

/user/SKY_NET Go!

Show 25 entries Search:

Permission	Owner	Group	Size	Last Modified	Replication	Block Size	Name
drwxr-xr-x	SKY_NET	supergroup	0 B	May 09 11:57	0	0 B	INPUT1
drwxr-xr-x	SKY_NET	supergroup	0 B	May 09 11:58	0	0 B	OUTPUT1
drwxr-xr-x	SKY_NET	supergroup	0 B	May 10 11:38	0	0 B	input1515
drwxr-xr-x	SKY_NET	supergroup	0 B	May 10 12:06	0	0 B	input1516
drwxr-xr-x	SKY_NET	supergroup	0 B	May 10 12:25	0	0 B	input1517
drwxr-xr-x	SKY_NET	supergroup	0 B	May 10 11:39	0	0 B	output1515
drwxr-xr-x	SKY_NET	supergroup	0 B	May 10 12:09	0	0 B	output1516
drwxr-xr-x	SKY_NET	supergroup	0 B	May 10 12:26	0	0 B	output1517
-rw-r--r--	SKY_NET	supergroup	11.77 KB	May 10 11:36	1	128 MB	weather_data.txt

Showing 1 to 9 of 9 entries Previous 1 Next

Browse Directory

/user/SKY_NET/output1517 Go!

Show 25 entries Search:

Permission	Owner	Group	Size	Last Modified	Replication	Block Size	Name
-rw-r--r--	SKY_NET	supergroup	0 B	May 10 12:26	1	128 MB	_SUCCESS
-rw-r--r--	SKY_NET	supergroup	3.97 KB	May 10 12:26	1	128 MB	part-00000

Showing 1 to 2 of 2 entries Previous 1 Next

File information - part-00000

Download

Head the file (first 32K)

Tail the file (last 32K)

Block information --

Block 0

Block ID: 1073742070

Block Pool ID: BP-1667172113-192.168.56.1-1683298984523

Generation Stamp: 1246

Size: 4065

Availability:

- SKY-NET

File contents

"10.1.1.236 7

"10.1.181.142 14

"10.1.232.31 5

"10.10.55.142 14

"10.102.101.66 1

"10.103.184.104 1

"10.103.190.81 53

"10.103.63.29 1

"10.104.73.51 1

"10.105.160.183 1

"10.108.91.151 1

"10.109.21.76 1

"10.11.131.40 1

"10.111.71.20 8



All Applications

Cluster

About
Nodes
Node Labels
Applications
NEW
NEW SAVING
SUBMITTED
ACCEPTED
RUNNING
FINISHED
FAILED
KILLED
Scheduler

Tools

Cluster Metrics

Apps Submitted	Apps Pending	Apps Running	Apps Completed	Containers Running	Used Resources
3	0	0	3	0	<memory:0 B, vCores:0> <memory:8 GB, vCores:0>

Cluster Nodes Metrics

Active Nodes	Decommissioning Nodes	Decommissioned Nodes	Lost Nodes
1	0	0	0

Scheduler Metrics

Scheduler Type	Scheduling Resource Type	Minimum Allocation	Maximal Allocation
Capacity Scheduler	[memory-mb (unit=Mi), vcores]	<memory:1024, vCores:1>	<memory:8192, vCores:4>

Show 20 entries

ID	User	Name	Application Type	Application Tags	Queue	Application Priority	StartTime	LaunchTime	FinishTime	State	FinalStatus	RunTime
application_1683698547281_0001	SKY_NET	Weather Job1	MAPREDUCE		default	0	Wed May 10 11:39:34 +0550 2023	Wed May 10 11:39:35 +0550 2023	Wed May 10 12:09:52 +0550 2023	FINISHED	SUCCEEDED	N/A
application_1683698547281_0002	SKY_NET	word count	MAPREDUCE		default	0	Wed May 10 12:09:00 +0550 2023	Wed May 10 12:09:01 +0550 2023	Wed May 10 12:09:17 +0550 2023	FINISHED	SUCCEEDED	N/A
application_1683698547281_0003	SKY_NET	SalePerCountry	MAPREDUCE		default	0	Wed May 10 12:26:02 +0550 2023	Wed May 10 12:26:03 +0550 2023	Wed May 10 12:26:25 +0550 2023	FINISHED	SUCCEEDED	N/A

Showing 1 to 3 of 3 entries